SERA

Amateur Radio FM and Repeaters in the SouthEast

Repeater Journal

8 STATE REPEATER INDEX INSIDE

The Official Voice of SERA, Inc.

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BPL Update

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Providing voluntary frequency coordination for Amateur Radio repeaters in Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia and West Virginia

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SERA Membership

Full Repeater Membership
(A Membership for Repeater Owners & Sponsors)

Any repeater owner or club may join SERA as a Full Member if they have a properly coordinated and operating repeater on the air. A Full Membership application, coordination information (if not on file), and the correct membership fee should be submitted.

Two individuals representing the full member repeater, named and listed on the application by the owner, receive the *Repeater Journal* each quarter.

The two Full Member Representatives have voting privileges in SERA elections and may be eligible to hold elective offices within the organization. The full member repeater is also recognized as a SERA supporter in the repeater index with a ☺ symbol. A Full Member application is available in this issue of the Repeater Journal, and on the SERA web site: **www.sera.org**.

Full Member dues are $20/year, pro-rated by quarter. All full memberships expire on December 31st of each year.

Associate Membership
(A Membership for Repeater Users)

Amateurs Radio operators, especially repeater users, are invited to join SERA as Associate Members. Only $10 per year will enable you to support the organization and receive the *Repeater Journal*. Associate Members may hold appointive offices within SERA, but do not have voting privileges.

Associate Membership begins in the quarter you join, and dues are not pro-rated. Renewals are due in the same quarter in subsequent years.

Repeater Journal Mailing

The *Repeater Journal* is mailed Bulk Rate during the first week of the cover date. Delivery takes one to two weeks. Notify the **editor** if you have not received your copy by the 1st of the following month. **The Journal is *not* forwarded to new addresses. If you move, send your new address to the editor!**

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Pre-registrations without SASE or received after May 28 will be held at the gate.

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BPL Update

Gary Pearce KN4AQ

FCC Chairman Michael Powell summed up the commission's attitude on BPL in a news conference in Raleigh early in March: "We're not going to be easily dissuaded from doing something that has that much potential."

News on the BPL front has been coming almost daily since I reported in the February *Repeater Journal* that "It's too soon to draw many firm conclusions..." The FCC has issued a NPRM on Part 15 and BPL; many more utilities have announced BPL trials, including Duke Power in Charlotte and Dominion in Virginia and eastern North Carolina; Progress Energy Corp. (PEC) in Raleigh has made some changes to their system, and told the FCC that it "is not causing any harmful interference and is in full compliance with the FCC's Part 15 rules"; the NTIA *still* hasn't released their report; and now we have some conclusions.

After our January 15th introduction to Progress Energy's Phase II trial site, NC SERA Vice Director Frank Lynch W4FAL, Wake County EC Tom Brown N4TAB and I located hams who lived in the vicinity of the trials and surveyed what they heard. We found that the signals from the overhead lines were audible for a half mile or more to stations with simple dipole antennas, and over a mile to one "powerhouse" station with a beam on a 100 foot tower.

While we were collecting information, Progress Energy filed a report with the FCC stating that there were no interference complaints coming from the trial area. We quickly filed complaints from both home and mobile station observations.

Progress Energy and their vendor, Amperion, responded by moving most of the RF out of the ham bands, and notching the 12 and 17 meter bands, using the capability they told us they had to move and notch spectrum. But it didn't work quite right. They still ended up with full-strength BPL signals on the top 50 kHz of the 20 meter band, and the signals in the notches were a lot weaker, but still plainly audible. They also had weak but audible "fringe" signals at the edge of their spectrum blocks that bled into the adjacent ham bands for 50 kHz or more. We waited a week to see if they could fix the problems, and when nothing changed, we filed another complaint.

That netted us another meeting with PE engineer Bill Godwin. We visited the trial sites, and showed him the signals we were still hearing. He had arranged to have an Amperion technician on the phone to make on-the-fly adjustments, but when Bill called, the technician was nowhere to be found.

Nothing changed for another couple of weeks. Then, Progress Energy attorney Len Anthony sent e-mail to the FCC's James Burtle, stating that "further modifications have been made to address this fringe interference. It is PEC's position and interpretation of the FCC's rules with regard to "harmful interference" that any interference that may still exist is not "harmful" as that term is defined by the FCC's rules.

Regarding mobiles, Anthony wrote, "Given that any interference experienced by a mobile operator only occurs within close proximity to the BPL facilities, such interference would be very short lived. Thus, PEC is not causing any harmful interference and is in full compliance with the FCC's Part 15 rules."

A visit to the trial after the e-mail revealed that, in fact, no "further modifications" were made. The system was still at full strength on the top end of 20 meters, still had "fringe" carriers encroaching in several bands, and the notched carriers in 12 and 17 meters were still plainly audible.

Most of this discussion bypassed the fact that the Progress Energy BPL signals still covered up several international shortwave broadcast bands and interfered with reception of some signals, including WWV at 15 MHz. ITU regulations require member nations to protect shortwave broadcast reception from interference from power and communications distribution systems.

This is the opening salvo in what promises to be a lively debate on the meaning of the word "harmful." The FCC defines it as "Interference which... seriously degrades, obstructs or repeatedly interrupts a radiocommunication service operating in accordance with the Radio Regulations."

Will the FCC agree that even weak BPL signals can be harmful to hams who tune across quiet spectrum, looking for weak signals? Will they buy the argument that mobiles aren't receiving harmful interference because they drive by quickly (unless they get a red light, or stop in a parking lot, or....)? Time and additional complaints will tell.

Meanwhile, Duke Power, which serves most of western North Carolina, announced that it will begin a BPL trial in the Charlotte area. Duke engineers, including Tim Slay N4IB, addressed the Mecklenburg Amateur Radio Society in February, telling club members that if the system caused interference to ham radio during the test, "We'll shut it down." Duke will be testing the Main.net system.

Powell on BPL:

THE NEWS&OBSERVER

Q. Amateur radio operators worry that electric companies will interfere with their signals if allowed to deploy high-speed Internet services over power lines. What do you say to them?

A. We've never said we would let it go on and interfere with critical services. The question is whether it does, and to what extent, and what limits can be placed to make sure it doesn't. We've been fully committed to only allowing things within the range of what we're convinced won't create impermissible interference. ...

Let's say this works, broadband over power lines. Then every person in every building has broadband because of the electrification of this country. There is a plug everywhere. ... We're not going to be easily dissuaded from doing something that has that much potential.

Raleigh News&Observer, March 6, 2004 photo by KN4AQ

On the cover: an Amperion BPL "Injector" couples the 6 MHz worth of data-carrying high-frequency RF energy into the power line by induction. It radiates.

NPRM

The FCC did issue an NPRM on modifying Part 15 to specifically address BPL. It actually looks favorable to ham radio by not permitting the requested higher emission limits, by requiring "mitigation" and system "shut down" if there is harmful interference, and by requiring creation of a database showing the location and spectrum used by BPL systems. The comment deadline, May 3rd, will have passed by the time you receive this *RJ*, unless the FCC acts favorably on an ARRL request for an extension.

The best place to keep up with rapidly changing developments in BPL is the ARRL web site: **www.arrl.org**. A good place to come up to speed is CQ VHF magazine's site: **www.cq-vhf.com**.

WHAT CAN YOU DO?

Besides filing comments (or reply comments) on the NPRM, I recommend that all hams, but especially those whose power utility has announced an interest in BPL, take preemptive action by notifying your company that if there is any BPL interference to either Amateur Radio or shortwave broadcast spectrum in the high frequency bands, you will complain, and the company will be required to spend time and money to "mitigate" the interference.

BPL is legal. The FCC will not "outlaw" it. The ARRL will ask that the rules limit the emission strength more than they do now, but for power utilities, it will be a pocketbook issue. If they become convinced that there will be a complaint in literally every neighborhood in their coverage area, they may think twice about deploying BPL. ■

Wall St. Journal and the "'Firestorm' in Penn Yan"

The *Wall Street Journal* ran a front-page story on BPL and Amateur Radio on March 23rd. The article didn't please hams. Instead of an in depth look at interference problems and the potential impact that might have on investment, the

THE WALL STREET JOURNAL.

...This Power Play, High-Wire Act Riles Ham-Radio Fans

* * *

New Use for Lines Sparks Tension With Operators; 'Firestorm' in Penn Yan

By Ken Brown

Rick Lindquist drove down a stre... a New York City suburb, ignorin... snow swirling around his car and... ing the dial on the ham radio mo... the side of his dashboard. Th... picked up an operator in Minn... cussing antennas, the Salvat...

Rick Lindquist

paper took a light and breezy approach. Reporter Ken Brown did say that BPL drowned out a ham conversation that he was listening to while riding with the ARRL's Senior News Editor Rick Lindquist N1RL (and Rick got his "etching" on the front page), but Brown also said "Hams always have been a quirky bunch," and made it sound like the service was fading away.

He also cited the case of Penn Yan, a small town in western New York State, where a company is running a BPL trial with Amperion equipment. He quoted resident and ham operator David Simmons KB2ITN as saying that he "is satisfied that there is no interference and now favors the new technology" following promises that the system would not interfere with hams.

Simmons told me that he was misquoted, but he confirmed that as of a few weeks ago there were no reports of interference from hams in town. BPL vendors and utilities pointed to Penn Yan as evidence that their systems worked without causing interference.

Then Dave Halidy K2HD decided to drive the 40 miles from his home near Rochester to Penn Yan and see for himself. He reported to a BPL mailing list that he found the interference easily, without even knowing where to look. His description matched the sound, the spectrum and the signal strength observed in the Raleigh NC area trials. Penn Yan's "no interference" reputation was a myth.

The story took a more bizarre twist in late April when the interference disappeared during a meeting between Penn Yan hams and a representative of system operator Data Ventures, Inc. The spokesman said that new notches were put in place, and trumpeted Halidy's e-mail note that "IT WAS GONE!!! THE SYSTEM HAD BEEN SHUT DOWN" as evidence that they worked. Later, however, hams reported that there were no BPL signals on *any* spectrum, and that it appeared that the system really was shut down.

Halidy and other local Penn Yan hams will be watching carefully to see just what and where BPL signals appear next. ■

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Saturday, September 4th at 2 PM and Sunday, September 5th at 2 PM at the CLEVELAND COUNTY OFFICE BUILDING, next to Food Lion and adjacent to the Hamfest grounds. NO PRE-REGISTRATIONS -- **WALK-INS ONLY.**

FOR MORE INFORMATION CONTACT: **Norman Harrill, N4NH, No.7 Skylyn Court, Asheville, NC 28806**

Applicants must bring original and photocopy of present license, any certificates and picture I.D. to the examination session. Make Checks Payable to WCARS/VEC for $10

AWARDS! AWARDS!

ALL AWARDS OBTAINED THROUGH KENWOOD

PRE-REGISTRATION AWARD -
Kenwood HT w/charger - Drawing at 9 AM Saturday, September 4th.

MAIN AWARDS -
Kenwood HF Transceivers - Drawings Saturday 3 PM & Sunday 2 PM.

HOURLY AWARDS -
Kenwood Two Meter Transceivers given hourly
Drawings Saturday, Sept. 4th, 9 AM thru 3 PM, and Sunday, Sept. 5th, 9 AM thru 2 PM.

We reserve the right to replace a listed prize with one of equal or higher value in the event of unavailability.

NO member of the Shelby Amateur Radio Club or immediate Family is eligible to win any Awards.

Visit our web site: www.shelbyhamfest.com

GENERAL HAMFEST INFORMATION CONTACT:

John Ledford, W4JL
9555 Knob View Drive
Vale, NC 28168
Phone: (704) 462-4910
E-Mail: w4jl@shelby.net

GATES OPEN AT 6 AM SATURDAY AND SUNDAY!
Bldg. Exhibits Open at 8 AM

DEALER CHAIRMEN:

Inside Dealers:
Barbara Elliott N4MRZ
P.O. Box 191
Fallston, NC 28042
Phone: (704) 538-7919

Outside Dealers:
Mark Beaver KA4TFP
704-487-7574
Todd Vickery KG4UZT
kg4uzt@aol.com

The Shelby Hamfest

LOCATION - Cleveland County Fairgrounds on US 74 Business, at intersection of NC 180, 3-1/2 miles east of Shelby, NC.

FACILITIES - Indoor buildings for new equipment dealers. Over 15 acreas for all types of tailgating. Lots of FREE parking outside grounds.

REGISTRATION - $5.00 for pre-registration and $6.00 at the gate. All tickets good for both days. Children under 12 FREE. Pre-registration ticket requests received after August 28th will be held at the front gate.

OVER-NITE CAMPING - Facilities include over 40 sites with full hook-up, water, sewer and electricity. Sites available on a first-come basis and **none will be reserved under any circumstances.** Unlimited field space for self contained units.

- ✔ $15.00 per day for full hook-ups (Power, Water, Sewer)
- ✔ $10.00 per day - Camping with Power & Water
- ✔ $5.00 per day for Tent Camping (Space Only)
- ✔ $5.00 per day Add'l per day for Tent Camping with Power

ATTENTION MOTOR HOMES: If you must drive your motor home away from your campsite, please notify the camping committee chairman, and receive your "Campsite Occupied" sign.

FLEA MARKET - The Shelby ARC reserves the right to limit the amount of flea market space which cannot be reserved, and is on a first-come basis, and not transferable.

CHARGES: $10.00 for each 10-feet of space. Gates open at 6 AM Saturday and Sunday. **VENDORS** requiring tents contact: Mark Beaver KA4TFP, 2007 Taylor Rd., Shelby, NC 28152, 704-487-7574, ka4tfp@carolina.rr.com, or Todd Vickery at kg4uzt@aol.com

ACTIVITIES - To be held **in Tent just below Fire Station.** 10:00 AM. **Sunday School** will be followed by **Bingo** for ladies.

SATURDAY FORUMS - **Will be held in the Fairgrounds Fire Station Meeting Room.**

10 AM	ARRL Forum
11 AM	MARS Forum
1 PM	SKYWARN Forum
2 PM	To Be Announced

SUNDAY FORUMS - Will be announced at the hamfest. For more info, contact David Ledford AG4WC (704)435-5021.

FREE PARKING - For Attendees - Across road from Fairgrounds Main Entrance on paved, lighted lot.
HANDICAPPED & TAILGATERS use gate near intersection of US 74 Business and NC 180.

PLEASE NOTE - No X-rated material to be displayed or sold. No guns or any other type of weapons permitted at hamfest.
HAMFEST TALK-IN ON 146.88 - **HAMFEST INFO LINE** (Beginning Aug. 22nd) Direct line at Hamfest Site: (704) 480-6928

Some of the motels in the area are listed below. They recommend that you call well in advance - reservations may be a problem.

SHELBY, NC MOTELS

Holiday Inn Express (704) 480-0881
Hampton Inn 1-800-HAMPTON
Super 8 Motel 1-800-800-8000
Days Inn 1-800-892-0418
Econo Lodge (704) 482-3821

KINGS MOUNTAIN, NC (I-85 Exit 8)
Comfort Inn 1-800-221-2222
Travel Lodge (704) 739-2544
Holiday Inn Express (704) 734-0014

GASTONIA, NC
Mid-town, Howard Johnson, Scottish Inn, Knights Inn, Econo Lodge, Hampton Inn, Innkeeper

LINCOLNTON, NC
Town & Country

GAFFNEY, SC
Days Inn, Comfort Inn, Holiday Inn Express

FOREST CITY, NC
Gardo's Big Horn, Jamison Inn, Goodes, Henderson Inn, Comfort Inn

HICKORY, NC
Howard Johnson, Holiday Inn, Mull's Ramada Inn.

2004 SHELBY HAMFEST PRE-REGISTRATION FORM

RJ-5-04

I would like to Pre-Register for The 2004 SHELBY HAMFEST!
Enclosed is my check for: _____ Hamfest Tickets at $5.00 each. Total:_____
Children under 12 years-old FREE!

Mail Completed Pre-Registration form with your check. Include SASE for return of your tickets.
This is a gate admission ticket order only. There is a separate ticket for flea market space. It will be $10.00 for each 10 ft. of space.

Call_____Name_____
Address_____
City_____State_____Zip_____
Phone: [ ] _____

Mail completed Pre-Registration form with your check. Please include **S.A.S.E.** for return of tickets
MAIL TO: SARC
P.O. BOX 2206
SHELBY, N.C. 28151-2206
Pre-Registration tickets will already be in the barrel.
Note: No member of the Shelby Amateur Club or immediate family is eligible to win any awards

American Radio Relay League Georgia Section Convention

ATLANTA HAMFEST

Saturday June 5, 2004

◆ DEALERS ◆ FLEA MARKET

◆ TAILGATING ◆ PRIZES ◆ FORUMS

◆ EXAMS (OFFSITE) ◆ FOOD

◆ RV & CAMPING AND LOTS OF FUN...

Scholarship Available...

In the spirit of supporting Amateur Radio, The Atlanta Radio Club, W4DOC, is pleased to offer a scholarship to a deserving young Ham. See website for more details and an application

The Atlanta Hamfest would like to recognize the following vendors and clubs for their ongoing technical, financial, and advisory support of The Atlanta Hamfest: Alabama Radio, Bond & Garcia, C.T. Morgan & Assc. C&J Radio, Cedar City Sales, HRO Kenwood, Lakeview Co., RF-TEC Omar Electronics, Rosewood Co. RF-TEC, SignMan of Baton Rouge The Wireman, Tower Electronics MCM Computers, Treasure Chest ARRL, GARS, SEDXC, QCWA49, NOGAQRP, Augusta ARC, AMSAT, SERA

WHEN

June 5, 2004
Saturday 830AM—330PM
Vendor Setup Friday 12PM-8PM

ADMISSION

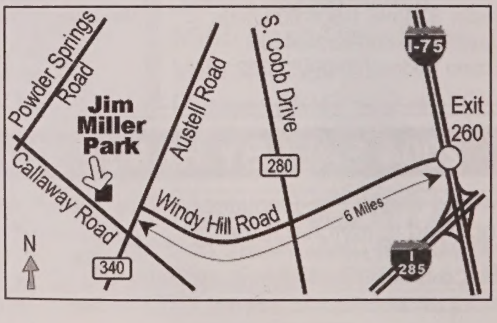
Adults: $5
Children Under 18 Free

LOCATION

Jim Miller Park
2245 Callaway Rd Marietta, GA

GPS: Lat 33d 53' 59"N
Lon 84d 35' 29"W

TALK-IN: 146.820(-)
PL 146.2



For more information...

WWW.ATLANTAHAMFEST.COM

John Talipsky, N3ACK (770) 995-6446 or Email: johnka4vqh@aol.com
385 Madison Chase Drive Lawrenceville, GA 30045

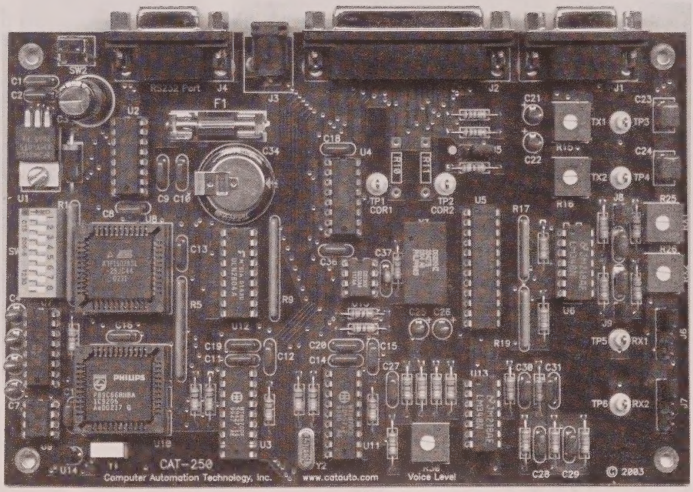
Computer Automation Technology, Inc.
CAT-250 Repeater Controller

Attention Repeater Operators!

The CAT-250 is an affordable priced repeater controller with TI voice synthesizer, remote base port, real time clock and scheduler.

Features Include:

* *Voice Synthesizer ID*
* *Twenty Voice Messages*
* *Real Time Clock*
* *(20) Position Scheduler*
* *CW Identifier*
* *DTMF Audio Muting*
* *DTMF Pad Test*
* *Remote Base Port*
* *Internet Firmware Upgrades*
* *Dual DTMF Decoders*
* *(40) User Macros*
* *(50) Event Macros*
* *(42) Control Functions*
* *(4) Logic Inputs*
* *(6) Output Switches*
* *Fan Control*
* *CTCSS Encoder Switch*



Options Include:

* *19" Rack Mount Enclosure: $49.00*
* *Computer Interface with Windows® Editor on CDROM: $39.00*

CAT-250 Repeater Controller: $249.00

For detailed information including a complete manual, visit us at www.catauto.com

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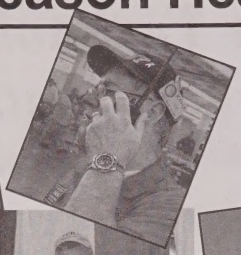
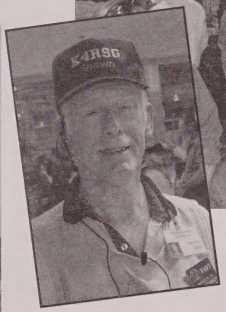
Hamfest Season Heats Up...





*Shawn Goodin K4RSG is both **Charlotte Hamfest** Chair and President of the Mecklenburg ARS. The hamfest lost some vendors this year, but the crowd in the dealer area (above) and the flea market looked good.*

***SERA Crew at Charlotte:** the Charlotte Hamfest brought out the biggest collection of SERA staff seen together outside a Board meeting, from both Carolinas, Tennessee and West Virginia.*

Upper left: WJ4G and Prez. W4RWG caught in the flea market. Upper right: K4HA gets instructions by HT. And the main group at the booth, from left: KN4AQ, K4NYS, N8FWL, WA4KE and W4FAL. Somehow we missed a picture of K4PZT. We signed up more than 60 years of memberships.

***Editor reunion:** Current **RJ** editor KN4AQ (l) meets the **original RJ editor Bill Paris AA4R** (formerly K4GHR, center) at the **CDXA** dinner. CDXA President Ted Goldthorpe W4VHF (r) made the introduction. (K8YC photo)*

*K4YM staffs the SERA booth at the **Richmond Frostfest** in February (above). Jim and son Jay N4YMY collected almost 50 years of SERA memberships.*

The Frostfest flea market (left) was jammed, too, and some date shuffling allowed Communications Headquarters to return, making hams looking for new equipment happy.

*The **Elkin Hamfest** (NC)- cancelled, then reinstated by new management - made organizer Drew Poindexter AD4T happy with 500 attending, raising $2300 for the Foothills Food Pantry. They hope to avoid colliding with the Frostfest date next year. SERA will return, too.*

*The **Kinston** (NC) flea market had some big holes, thanks to vendors who reserved tables but didn't show up, one due to illness, the other - ? It hurts hamfests that work on a handshake and don't require deposits.*

SUPPORT FREQUENCY COORDINATION AND GET THE

SERA Repeater Journal
The Official Voice of SERA, Inc.

SAVE $6 OFF THE COVER PRICE

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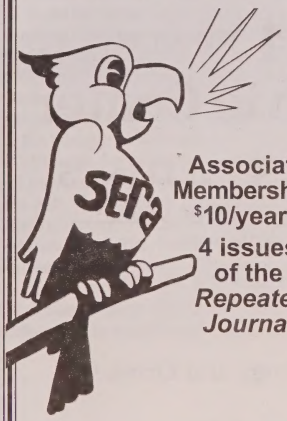
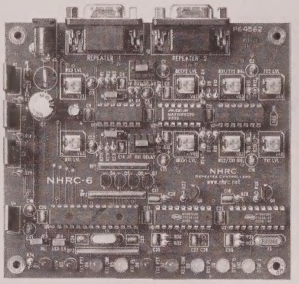


Associate Membership: $10/year - 4 issues of the *Repeater Journal*

www.sera.org
Secure Credit Card Transaction

NHRC
REPEATER CONTROLLERS



NHRC-6
Dual Repeater Controller

The NHRC-6 is an advanced, low cost dual repeater controller. It has a highly integrated design, using state-of-the-art components, which results in a powerful controller with a low parts count. This increases reliability and lowers cost.

This controller can be used for two duplex repeaters, a duplex repeater with a link radio, or to build a bi-directional cross band repeater with simplex radios.

NHRC-6 Features

- Two radio ports that can support the following configurations:
  - Two duplex repeaters
  - Duplex repeater with link radio
  - Two back-to-back simplex radios
- Carrier, Carrier and CTCSS, Carrier or CTCSS and DTMF access modes
- "Intelligent" ID algorithm
- 55 Control operator settings
- Six user commands
- Five saved setups
- Distinctive courtesy tones indicates active receiver ports
- Dedicated fan control output/digital output
- Touch-Tone remote control and programming
- Hang timer, ID timer, timeout timers, fan timer, and CW messages stored in non-volatile memory
- Individual audio gating on each port allows use of non-squelched receiver audio
- Jumper-selectable receiver de-emphasis
- LED CAS, CTCSS, PTT, and DTMF indicators for each port
- Connectors for each port to attach optional NHRC-DAD Digital Audio Delays, to fully mute DTMF and help eliminate squelch crashes

NHRC-6 Dual Repeater Contoller **$219** plus shipping & handling

NHRC Repeater Controllers • 415 Fourth Range Rd. • Pembroke, NH 03275
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Specializing in Repeaters, Links, Crossband Repeaters, Receivers and Transmitters. [Separately or in Housings]

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We appreicate your support last year. Come join us in 2004

SALISBURY (NC) FIRECRACKER HAMFEST

July 3, 2004 8:00 AM 'til . . .

Salisbury Civic Center

Directions:

**From I-85, take exit 76B (Salisbury).
Turn right at ramp intersection
on East Innes Street,
Then Left on S. Boundary Street
(Capt D's/McDonalds Intersection).
2 Blocks on Left to Convention Center.
Talk-in 146.73 (94.8 tone)
(backup: 146.52 simplex)**

Pre-Registration $4 - at Door $5

One Outdoor Flea Market space:
Free with Admission

Indoor tables: $10 each as long as they last.
(Dealer setup 3:00 to 8:00 PM Friday and 7:00 AM Saturday. Dealers buying 3 or more tables will be the club's supper guest Friday after setup)

Free Coffee - 2 Hot Dogs and Drink $1.50

For Hamfest info:

Mail: Rowan ARS, PO Box 593, Salisbury, NC 28145
Web: www.qsl.net/w4exu
Phone: Ralph Brown, WB4AQK (704) 636-5902
Email: rbrown@salisbury.net

Walk-in Exams by
W4VEC VEC volunteers - 10:00 AM

Auction - 1:00 PM

NOTICE: Due to local ordinances and club policy, neither weapons nor pornographic material may be displayed or sold at the Firecracker Hamfest Site!

RJ

Salisbury Hamfest Advanced Ticket/Table Order Form

Name_____Call_____

Address_____

City_____State_____Zip_____

Telephone (_____) _____

E-Mail_____

Include SASE with Table and Ticket orders. Must be received by June 18.
Make Checks Payable to: Rowan ARS.
Mail to: Rowan ARS, PO Box 593, Salisbury, NC 28145

_____ **Tickets @ $4.00 Ea**

_____ **Tables @ $5.00 Ea**

One Outside Flea Market Space Free With Admission Ticket

Amount Enclosed:

$ _____

NC Eastern Branch Emergency Managers get ham licenses

When it all comes together

Ron Knapp W9EF
ASEC NC Eastern Branch

After the great flood (hurricane) of 1999 in North Carolina, the NC Emergency Management Eastern Branch Manager, James Smith, was impressed with the role and abilities of amateur radio communications. He wanted to obtain his own amateur radio license and, as manager over five areas in the state, his desire was to have his emergency coordinators licensed also. Why not have all personnel under him have the ability to use amateur radio when other means of communications fail?

James came to me and asked if I would put together some form of class for all the people in the Eastern Branch Office. At that time the Eastern Branch office was located in Washington, North Carolina. James advised me that we could use the branch office training room and he would insure that all his people would attend.

I thought for some time on how I could put together such a class, a crash course if you will. In the past, classes such as the "novice" would run for at least 9 weeks. I obtained the ARRL Technician Class video course and *Now You're Talking* textbook.

Part of the problem that I faced is that the exams today are easier than when I took the tests decades ago. So my thoughts ran around things you need to know like formulas, schematics, rules & regulations, etc. Could I get all this in, in just a short twenty four hour course? Would or could those students remember all this?

Putting together an outline for teaching using some examples, a white board and a VCR/TV set, a three day course was now ready to be taught on a Wednesday, Thursday, and Friday. As I walked into the room I noted that all the people were there, just like James said they would be. I must admit, some of the EC's were really not happy to be there, but it was an assignment from the top.

Three days later, the class and my commuting between Washington and Kinston (my QTH) we were finished. A VE team was on site as previously advertised and the exams started. What a day that was! You could see the exhaustion on the student's faces when all was done.

That first week in August, 1999, was a happy day for all, as licenses arrived from the FCC. James Smith, Branch Manager, obtained small handhelds for all of his EC's and sent them on their way. As of this date, James Smith KG4EIA has retired from his position, but is still active in amateur radio. Those EC's still have their radios and are active too. The new Eastern Branch Manager, Tom Collins KG4EIC (who also was one of my students) realizes the value of amateur radio and is pursuing new mobile radios for all his people. Today Tom is in the process of designing a new emergency operations center (EOC) for the Eastern Branch, and the amateur radio room will be a large and integral part.

Looking back, it was sure worth the effort that was put into that class. Today other clubs and agencies are utilizing a form of "crash course" for the newcomer. The last class I taught in 2003 took a total of 10 weeks (20 hours). I guess I just can't get passed teaching electronics, which takes time, but the students come out wanting more and a desire to upgrade their license. That's when it's all worth it — when it all comes together. ■

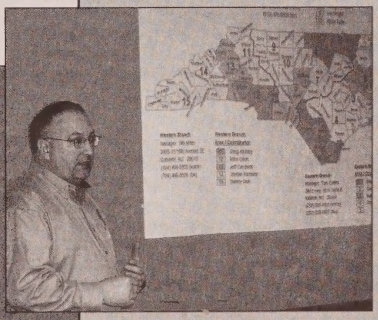
Ham Radio in the Eastern Branch

Charles R. "Tom" Collins KG4EIC
NCEM Eastern Branch Manager

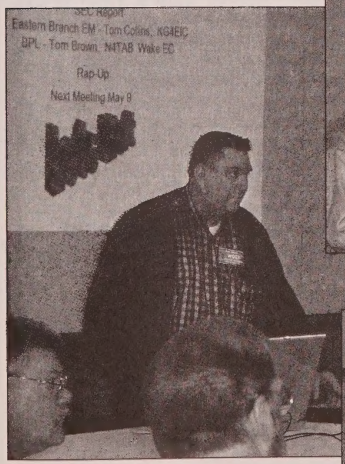
One of my objectives is to build partnerships through out the Eastern Branch with different organizations that support Emergency Management directly or indirectly. One of the important organizations are the Ham Operators in Eastern North Carolina.

Ham Radio plays a very vital role in our activations in any kind of an event to provide the information link between the County and Municipal Government and the Public. In the After Action Report that was conducted after Hurricane Isabel, several points of concern about information were discussed. After an event like a Hurricane hits a community and they lose all contact with the outside world, I see Ham Radio as the information vehicle that keeps the community informed, and the vital link for resource management to get the community back to pre - disaster conditions.

As the Eastern Branch Manager for the NC Division of Emergency Management, I will enhance the Ham Radio capability at the Branch and County level to insure that we maintain that "vital link."



NCEM Eastern Branch Manager Tom Collins KG4EIC



Ron Knapp W9EF addresses a meeting of NC Eastern Branch ARES EC's in Columbia

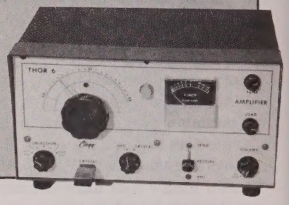
Nostalgic Wavelengths

DAVID BOWER K4PZT
P.O. BOX 10145
KNOXVILLE, TN 37939
(865) 670-1503

THOR TRANSCEIVER OWNERS WANTED...

I recently acquired a Clegg Thor Six Meter Transceiver at the Charlotte Hamfest, and I'm planning an article about it in a future issue of the SERA Journal. The Thor used a separate cabinet for the transmitter, and the modulator/power supply was joined with a 10 foot cable. The 60 watt AM transmitter was great for DX, and the inclusion of a VFO added to its versatility. The receiver had a Nuvistor front end for improved sensitivity.

I'd like to include comments from readers who may have owned a Clegg Thor, so please send them to me by e-mail at **k4pzt@sera.org**.



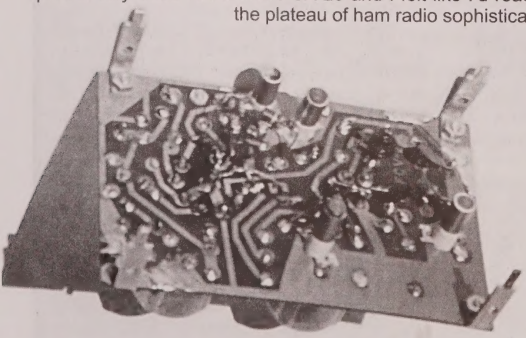
CONVERTERS – THE PATHWAY TO SIX METERS

Suddenly it was thrust in front of me. As I stopped by a hamfest table recently, I was looking eye level at an FCV-2 converter. It had all the parts, including the two vacuum tubes and the oscillator crystal. My ham buddy, Gary K3OMI, had brought me this converter and was presenting it to me as a gift. What a thrill! After cruising many hamfests in pursuit of this converter, I was now about to add one to my collection.

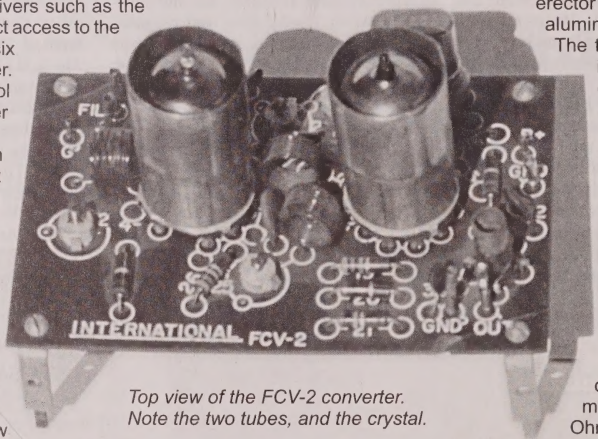
Back in the 1950s, few ham receivers had six meter capability. True, there were a few transceivers such as the Gonset Communicator with direct access to the Magic Band. But for most, a six meter converter was the answer. As a cash-strapped high school youngster, acquiring a converter was an expensive proposition.

International Crystal had an economical solution. My first unit was a FCV-1 converter with an IF in the AM broadcast band. The 49 MCS crystal, when mixed with a 50 MCS signal, provided reception in the AM band. Since I had limited funds, I used an old Crosley AC-DC home radio as my receiver. I had to be careful because the chassis was "hot," but it did provide reliable reception when used with my first homebrew 2E26 transmitter.

I soon moved up to a Hallicrafters S-38 (also of the AC/DC variety), so the shock hazard remained. Later, I was able to acquire a *very* used Hallicrafters SX-25 and I felt like I'd reached the plateau of ham radio sophistication.



The bottom view of the FCV-2 converter PC board.



Top view of the FCV-2 converter. Note the two tubes, and the crystal.

After some more trading, I had an International Crystal FCV-2 converter operating with an IF output in the 40 meter band. With the converter's 43 MCS crystal, 50 MCS showed up at 7 MCS on the receiver's dial. I scrounged used parts from my old Gilbert erector set, along with some scrap aluminum to construct a housing. The top cover was fabricated using copper screen wire left over from a home project. I installed RCA jacks for the input and output, and prepared a Cinch-Jones connector for the power connection to my SX-25. And, so, I was now on six meters with what, at the time, I felt was really uptown.

With this converter and SX-25 I was able to work over 40 states on AM using my trusty homebrew 6146 transmitter. By the way, I had all of $7 cash in the transmitter. My only purchases were a Triad M3-X modulation transformer and a Ohmite Z-50 RF choke. The remainder of the project came from my junk box, and by trading with my ham radio friends.

The International Crystal Manufacturing Company, based in Oklahoma City, started out as a supplier of crystals for both amateur and commercial applications. Later, in the 1950s, the company started offering a line of converters for amateur radio. The FCV-1 six meter converter was only $10.95 as a kit – without tubes, but including the crystal. For $15.95 the wired converter (ready to use) with tubes, and crystal, was available. The FCV-2 version in kit form was $12.95 with crystal, but less tubes. A completed converter, with tubes and crystal, was $17.95. This was really a good

THANKS TO READERS !

My sincere thanks to those who have called, written and e-mailed me with comments about the "good ole days" and vintage amateur radio memories. I appreciate all your comments very much — 73, K4PZT

bargain because a 43 MCS third overtone crystal (like the one I had), cost $4.

The FCV-2 had a simple circuit design, using common TV receiver tubes. The RF cascade amplifier employed a 6BQ7 (commonly used as an RF amp in TV receivers), and a 6U8 dual function tube. One section was used as a mixer, the other as the oscillator. Printed circuit board construction helped keep the cost low.

Please check out the pictures and observe how simple and straightforward the converter is constructed. It was a easy converter to build, low in cost and very reliable. And it was an economical pathway for many to the Magic Band.

My thanks to Gary Wagner K3OMI for giving me this converter, and allowing me the opportunity to relive some pleasant memories from my exploits on the Magic Band in the 50s. ■

GREAT OLD MIKES . . .

Remember those great microphones from years ago ? Some were expensive, such as the D-104 (center). Others, like the inexpensive high impedance crystal microphone (pictured right) worked great, and left a ham with some spare change for other projects.

TEN-TEC

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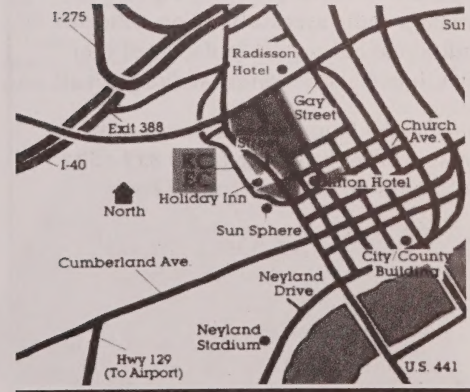

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Randy McKenzie KK4EJ
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THE REGRESSION OF PROGRESS.

My first computer was a Jameco kit with a 8 MHz 8088 chip, and a massive 10 meg hard disk. I did the DOS and BASIC programs, and it ran, never a lockup. A few months ago, I replaced a 20 gig drive on my 1.8 GHz P3 because it was full. Today, I've rebooted and locked up, making this my 5th draft of this article!

My first new Ham rig was an Icom 2AT portable. Thumbwheels selected the frequency, no PL tones, and it worked great (still does). Today's new handy-talkies do anything, scan, cross band, and half the size.

I found my old "Heath bucket" 2-meter rig when I moved. I used it mobile when I was in college. I can still hear that old relay clicking! Crystals for each TX and RX frequency, a few watts of power, and came as a kit. Nothing like the incredible options of the new rigs. Amazing to me how they can do so much in a small package. The operator's manual is now larger than the radio itself! 10 years ago, who would have ever dreamed of one mobile rig doing HF, 6, 2 and 440???

My college professor gave a lecture on tubes. "This is a tube. They break." He then dropped it into the trash can, the glass breaking. His point was they are obsolete in most cases. Now after so much progress with the FET, MOSFET, and IC chips, I wonder if the same could be said for the bipolar transistor? I've saved the day a few times with a good ole' 2N2222!

Electronics has changed so fast, the microprocessor runs the show, and I worry about the analog and RF worlds. Most of the schools don't teach a lot about RF. RF is treated as a side note to a computer network. The sad part is, not many students are coming into the RF world. Computers seem to attract. I know there have been several companies needing good RF techs!

A few years ago, how could a computer on a chip, with built-in serial interfaces, clocks, and free software ever be developed and sold for $3? Now you can order a Microchip PIC and do almost anything with it! I've even been learning assembly programming with my PIC projects. I am still amazed at how much they can do. These microcontrollers are very stable and reliable. You even have them in your vehicle!

Maybe it's my age. All this progress is great, but I'm getting slower. I self educate myself, trying to keep up, but it all changes so fast. Buy a computer. By the time you get it home and turned on, there is already something faster and larger.

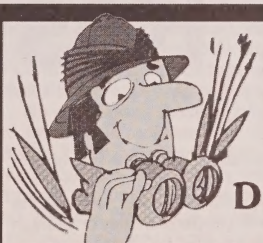
My 7-month-old son Zach and I were playing with a toy. It plays songs and has some flashing lights. He chews it, cutting teeth, and presses the buttons. He smiles at the sounds and lights. His daddy used to get a cracker box, old thread spools, wood blocks, and string and have his own "Bob Barker Show." The first electronic anything I recall was a "Mr. Microphone," and I became my own radio station. Wonder if that's where I got interested in Broadcast? Now I'm very proud of the 12 broadcast stations I've worked with over the years.

The point of all this daydreaming is to enjoy some fond memories, and to look forward to the future. Take a few minutes and share our great hobby with a young person. I'm sure Zach will need a radio some day! Maybe offer to take a young Ham along up to your repeater sometime. Share the hobby, share some memories, and then watch the future grow....

For you young Hams reading, ignore old grouchy Hams like me, we still like to see the old tube filaments glow! The future is exciting, and electronics will be a huge part of it all. Don't be afraid of new things. I have found the greatest, newest, most state of the art device can still be "fixed" using the old hammer!

GOD Bless till next time. Pray for our Troops.

Randy



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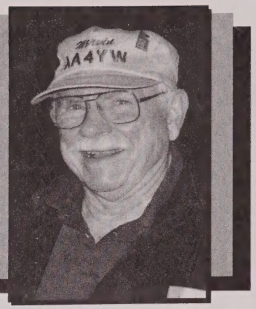


WHAT WE WANT

Restructuring:

I was sort of asked to write something on the ARRL proposal to the FCC for changes in the licensing system which, among other things, would eliminate code requirements for all but extra class hams. In years past when restructuring was fresh I wrote several articles about it. That was when I thought I might have some effect. Now, the whole thing just makes me sad. One of the down sides of a long active life is that you may get to see more progress than you really want.

I am now studying to be a "Master Gardener." What that is is not important to my point. In a recent class the lecturer, a Horticulturist, was making a horrible example of a college president who defied the advice of the Arborist at his school to remove a big, old, beautiful tree because it was diseased and could fall down. After it had graced the campus and was enjoyed for several more years there was a new president and it was finally taken down. It was indeed found to have rotten places and limbs that could possibly have fallen and maybe even injured someone (but didn't). At one point my lecturer said, "the trouble is that the people in charge are not qualified to make the decisions." That got me to thinking a lot about decisions and qualifications to make decisions.

It comes to me that the very first qualification is that you have the authority to make the decision; that with people or money or strength behind you, when you say, "this is the way it will be", that's what happens. If you don't have that, nothing else makes much difference.

The next most important component are the criteria. You always make a decision with things in mind: something you want to avoid, something you want to happen, or the way you want things to be. The aggregate of these are your criteria. Here is where my horticulturist and I parted ways. The Arborist was an expert in his field and could postulate various likely scenarios, but he could not establish the significance of the alternatives without the president's criteria. Too frequently experts descend upon a problem and presume (and impose) criteria that are so obvious to them that they disregard the objectives and values of the people (system) they serve. Sounds like the pilot who assured the passengers, "the good news is that we are making great time. The bad news is we don't know where we're going."

The next step in the process is the gathering of information and assessing the likely consequences of alternatives. Any good decision maker will know as much about the problem as possible, and he will consult and use all of the expert help he can get. The expert can tell him of the dangers and the cost of pursuing a given path, and in response the criteria may be reconsidered and maybe revised. But the expert NEVER sets the criteria. Ultimately criteria are the domain of Politicians, Priests and wives (who are also, generally, the ones who make decisions). Unless you have a direct line to the Deity, there is no absolute way of rationalizing what you really want. The notion that progress is always good or bigger is always better is nonsense as are many of the cliches by which values are judged. I am reminded of the child's ploy of repeatedly asking, "why?" Every reasonable response is again questioned, "why?" Always this culminates by the invoking of authority: "because God made it that way," or "because I am big enough to make you do it!" This generally means that I am reverting to some criteria that I don't understand and don't want to think about, but I know I'm right.

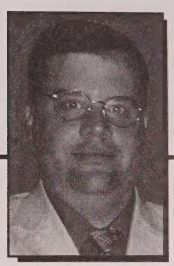
Actually, there is nothing wrong with that. What is wrong is to presume that all those other people should accept and embrace your criteria.

Back to the ARRL proposal. There is little question that the board of directors, who overwhelmingly approved the proposal, has the power to make this decision, and that the FCC will honor and act upon their wishes. A question relates to why they think this is a good thing, or what about criteria? The words "streamlining", "motivation", and "growth" appear in the ARRL release along with other mechanistic terms. Their First Vice President, Joel Harrison, who seems to be their present spokesman, calls the issue a "religious debate." I think he suspects that reverence for his deities is not shared by all Amateurs. No one can refute that the personal status of the members of this board is greatly enhanced by increase in membership of the Amateur Radio Service, more or less independent of the general competence level. He tells us that this is not to be considered "dumbing down", although we find that large blocks of present hams, by taking no action whatsoever, are elevated from one class to the next and that more receive lifetime credit for a necessary element to upgrade. I am trying to think of what else to call it.

I am not worried about CW. In spite of being abandoned by the ARRL the numbers using CW are strong and steady. The ARRL are, however, nibbling away at our bands. Their "Novice refarming", an older proposal that has been folded into this one, peels off the top of the CW bands on 80 and 40 meters to make more room for SSB. Their new proposal allots new spectrum out of the remaining CW bands for the new Novice class. When they decide to eliminate this new Novice class, CW is going to lose the middle of its 80 meter band where the NTS nets now meet. This worries me a little but I figure that if I'm lucky, since I am an old man, I'll be dead before they get it all.

We well know that their proposals to degrade standards will prevail, even when their attempts to elucidate purpose and criteria lose us in a verbal haze. All will be hailed as improvement even though we have no commonly accepted goal. We note that neither change nor speed are vector quantities and imply no particular direction. If, at some future time, the average IQ of the large Ham community is barely eighty and the favored activity is playing stupid video games on some menu driven HF digital device mass produced in China, a poll of the membership will still show that a majority think that all of the decisions were good and amateur radio is still amateur radio and has survived all challenges. There will still be "backward lookers" and "feet draggers" and we will still be warned to "keep up with progress or be left behind." The board of directors will still be very proud of the hobby and themselves. Here am I, perhaps all alone, but somehow not as proud today of being a Ham as I was the day I got my license. ■

Moving forward with respect and understanding



Pat Spencer KD4PWL

After checking the mailbox each day for eight weeks, my license finally arrived. Wow! I was now a ham! I was proud of my accomplishment as I had spent weeks reading, studying, and drilling myself before taking my test. I was now a licensed amateur radio operator, and could explore all the aspects of the hobby I had been reading about in my study materials.

Soon I decided to attend a club meeting in the same nearby town where I had taken my test. I arrived early, and ended up in a wonderful conversation with an older ham before the meeting. He asked me about my history as a ham. I explained to him that I had recently passed my test, and I was (proudly, because it meant something to me to be a ham) a "Technician."

What followed has shaped my view towards amateur radio to this day. "Oh, you are one of those (explicative) no-coders," said the man. "What is a no-coder?" I asked. He walked away, and I never got an answer. I traveled back to my hometown without attending the meeting. Two years later, I moved to that city, and I went to another meeting. By that time, I was firmly entrenched in my ham career. I walked passed the older gentleman without looking at him, paid my dues and became a full member of the club. I believe he passed on shortly thereafter as I never saw him again. Over the past twelve years, I have sought to understand what a "(explicative) no-coder is."

code
no code
dumbing down
pride

Time and reflection has given me the answer to this question. A "(explicative) no-coder" is a derogatory term used to describe an amateur radio operator who has been granted a Technician class license by the Federal Communications Commission and are limited to bands above 50 MHz. Why are they so different that they are viewed in such terms? To be honest, I see more similarities than differences in Techs and the other license classes.

Regardless of license class, hams thoroughly enjoy their equipment, fellowship with other hams, community service, home brewing, experimentation contesting, and a myriad of other interests in the hobby. Whether it is a new Tech who just bought their first HT or an older ham who has been licensed since the 50's, the desire is the same; to enjoy the hobby of amateur radio.

It seems the commonly accepted method to earn the title of "no-coder" is to not take the Element 1 Telegraphy Exam. To some, until you have passed that test, you are not a "Real Ham." I respectfully disagree. A real ham is any operator who enjoys the hobby of amateur radio and all it's wonders. Let's take a short look at the issues that are commonly debated without the specter of religious fervor that occurs whenever there is a hint of license restructuring by the FCC.

"The no-coders will destroy the HF bands." Looking at it statistically, Techs made up 47.2% of the 683,271 amateur radio operators in 2003. They received 43% of the 91 FCC warning notices involving violations for the same annual period. Based on population, they received 4% less warning notices than their percentage of population of operators. However, the statistics are close enough to surmise they are still more similar than different than operators with other licenses. There are just as many offenders who have passed the code tests, as there were "no-coders."

"The bands will be little better than 11 meters." I can't accept this claim either. Based on personal monitoring, and comments from other operators I am acquainted with from all license classes I ask that you take a stroll through the 80-meter band. The conduct of some operators there is not safe for 11 meters, much less family listening. This does not, however, represent the conduct or attitude of most hams. I will elaborate on this point as we conclude.

"The FCC is dumbing down amateur radio." Again, I respectfully disagree. I have looked at the question pools from the books I bought when I first took my test, and looked at pools currently available on the Internet. Comparing the two, I believe I had it a little easier in 1992 than today. It is not because the 1992 test was "dumber," but because amateur radio and the technology associated with it is evolving. Are we evolving as operators? The majority of us are progressing. Regardless of license class, all of us are being forced into a different environment by the advance of technology.

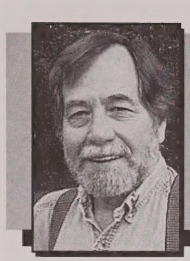
The fact that I have not passed the Element 1 test has as much to do with my qualifications as an amateur radio operator as it did with maritime radio operators after July 13, 1999. The ability to receive and send Morse Code in the amateur radio service had as much to do with lack of voice capability in the early days as it did with the ability to communicate with ships in distress. Since the International Marine Organization, a U.N. agency, ordered commercial ships to replace the telegraph with new technology in 1999, I have not seen the mandate from FCC forcing us to conform to new technology. So, are we really dumbing down the hobby? No. To the contrary, communication regulations are not forcing us to advance. We are staying at the same level. The FCC is not mandating us to be able to operate computers or other digital technologies, as perhaps they should.

So where do all these technological advancements leave CW in the amateur radio service? It leaves it in the exact same position as it held in the early 1900's. It is a fantastic mode, a learned language, and undoubtedly the best way to punch a message through the most difficult of atmospheric conditions. It is no better or worse than it was in 1913 when the Department of Commerce first issued US call signs.

Have you ever sat and watched an operator send and copy CW at 20+ WPM, while holding a continuous verbal conversation with you at the same time? I have, and all I can say is wow! That is a great demonstration of mental discipline. Operating like that is an art form that is respected by any ham. Have you ever sat and watched an operator talk on a local repeater, a repeater over the Internet, answer email, and surf ham web sites at the same time? I don't have a mirror in on my radio desk, so I haven't. However, I dare say that is a mental discipline exercise as well. What is the difference in these two operators?

As stated above, Technicians and other class operators are very similar in their interests of amateur radio. Although the regulations aren't necessarily evolving, most hams are moving into an increasingly digital world. So what is the difference in those who have had Element 1 and the "(explicative) no-coders?" As a group, nothing.

The difference comes in the poor attitudes, and lack of respect by some who preach the gospel of Morse Code to the exclusion of all other interests in the hobby. I can't cite an example of someone who is an avid pursuer in ATV, packet, PSK31, or RTTY belittling another operator because they don't share that interest. This issue is not the great battle of the license classes that some make it out to be. It is a platform for amateur radio operators to express their view with respect or ill will. This is an individual choice. ■



GEORGIA

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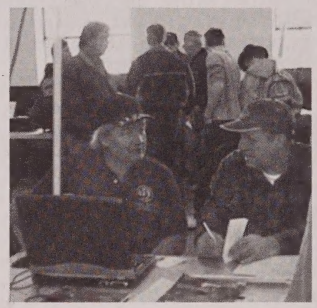
SERA AT DALTON

Terry W4TL, Rick W4LOC, Pete N4KHQ, and I worked the SERA table in shifts, each also taking time out to explore the hamfest at least once. A whole bunch of repeater owners and users stopped by to chat with us about their questions, problems, and successes. It's always great to renew acquaintances, or to finally meet folks in person after perhaps months of email and landline conversations.



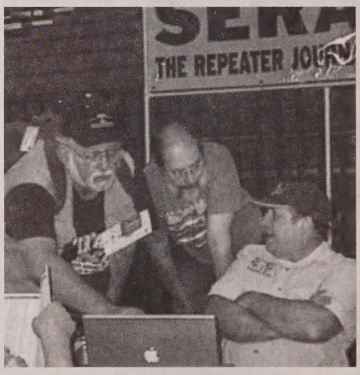
Rick W4LOC and Pete N4KHQ at Dalton.

SERA AT "THE HOOTCH"

Somehow, SERA failed to list the Kennehoochee hamfest in either the 2003 or the 2004 *RJ* Repeater Index. *Dang!* To further complicate matters, the 2004 hamfest was held at a new location in Marietta. The Hootch went very well, however, thanks to the demonstrated organizational and publicity skills of the Kennehoochee Amateur Radio Club (KARC).

The SERA table (compliments of the KARC, BTW) was busy most of the time. Scott KB0Y came all the way from Valdosta to join us, and the four of us enjoyed a rare face meeting.

I was pleased to learn, after the fact, that Jeff Harrison KD4GPI had desig-

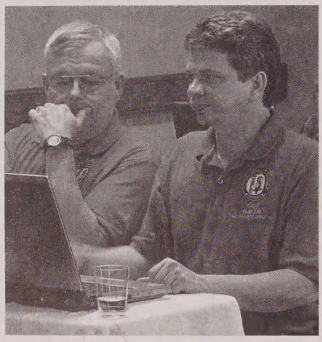


Bill KD4EKZ (left), Bill WD4LUQ, and Pete N4KHQ, at Kennehoochee.

MORE SERA GEORGIA STAFF CHANGES

Okay, stay with me on this...

New Georgia Director: Former SERA Georgia Director Jeff Benjamin W4KMB, who also developed the SERA 2000 coordination software program, moved to Tennessee (also a SERA district) right after the February 2004 RJ went to press. Pursuant to SERA bylaws, this automatically moved then Vice Director Terry Jones W4TL into this position. Very good for SERA!



W4TL and W4KMB at the SERA Winter 2004 Board Meeting.

New Georgia Vice Director: When Terry's move up the ladder vacated the Vice Director position he immediately nominated Pete Seabolt N4KHQ (whose appointment as a Georgia Assistant Director was announced only three months ago) as the GA Vice Director. This motion carried and was immediately passed by the SERA Board. Two for two!

If I've merely confused you so far, just forget everything I've said and check out the new SERA Georgia team listing on page 2 of this RJ. Jeff W4KMB remains on the SERA staff, and will continue to maintain his software

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Yours truly (left), with Pete N4KHQ, Terry W4TL, and Scott KB0Y, at Kennehoochee.

nated the SERA table as the official rendezvous point for members of his Yahoo GA-900 group, and I counted at least thirteen active 900 users (including myself) there.

SUGAR HILL MIDDLE SCHOOL NEW HAMS

Several Lanierland Amateur Radio Club (LARC) members, headed by Terry W4TL, teamed up to support teacher Crista LeRoy KD4KPS at Gainesville Sugar Hill Elementary School in February and March in her new ham radio class. Result? Two of the five students in the first iteration of Crista's class are now Technician-class ham radio operators. They are already active on the Gainesville W4ABP 146.67/PL 131.8 repeater (when they're not studying), and are also working very hard on the code under Crista's tutorage.

Last I heard, the school was getting ready to put up a 160m G5RV on the roof. Also, as this RJ goes to press, Crista's second ham radio class is beginning, with six new students. FB, Crista; ham radio needs more teachers like you!

Crista KD4KPS (left), with two new Sugar Hill Elementary hams and three hams-to-be: Jessica, Jason, Martha KI4EDW, Eduardo, and Cristian KI4EDX

NEW GEORGIA REPEATERS

In 2003, Terry W4TL coordinated 45 of the 47 new repeaters in Georgia. I'd say he deserves a breather, wouldn't you?

Well...okay...in 2004, Terry put the rest of us to work as well, with the following coordinations, re-coordinations, and pending coordinations resulting so far.

Location	Callsign	Freq.	Tone
Decatur	W4BOC	224.760-	
Atlanta	WB4RTH	147.105+	107.2
Canton	WA4EOC	443.075	107.2
Dallas	AG4PR	444.725+	123.0
Villa Rica	KB4TIW	442.775+	131.8
Devereux	KC4YAP	444.575+	100.0
Thomasville	KI4AWK	51.74-	186.2
Summerville	KK4MC	53.75-	127.3
Cumming	N1IB	443.400+	107.2
Duluth	W2SJB	442.400+	100.0
Rossville	W4RRG	442.475-	100.0
Cedar Grove	WA4EHO	147.150+	

Terry has also developed a quality control plan that keeps everybody honest by passing every new coordination through a second reviewer on the team before it is released.

SERA PRESENTATIONS AT GA CLUB MEETINGS

The GA SERA team made presentations in March to the North Georgia Amateur Radio Club (NGARC) in Dahlonega, the Forsyth County ARES club in Cumming, and the Lanierland Amateur Radio Club (LARC). Get in touch with Terry W4TL if you'd like a SERA presentation at your club meeting. You'll learn how SERA operates, and how the SERA2000 and ComStudy coordination software programs work.

UPDATE ON GEORGIA'S UNCOORDINATED REPEATERS

A very lively and entertaining thread on the subject of repeater coordination began on the Yahoo Repeater-Builder group reflector on February 19. The subject line is "Really [sic] why get coordinated?" While some of the comments are a bit shy of the mark, it's still useful food for thought. I encourage everybody to check it out.

That said, Georgia uncoordinated repeaters are down another 8% this quarter. We lost four and gained two. We're getting there.

GA Uncoordinated Repeaters:

Freq.	Callsign	Location
51.550+	WB4JEH	Conyers
51.700-	WA4YNZ	Cumming
53.010-	WA4YNZ	Roswell
53.290-	K4PLM	Pine Log Mt.
53.390-	KF4XH	Macon
53.430-	KR4OL	Macon
53.450-	WD4OVN	Pine Log Mt.
146.640-	WB4QGR	Fulton
146.835-	KC4GSS	Thomson
147.120+	KT4N	Lincolnton
147.165+	KF4XH	Macon
147.195+	K4JPD	Austell
147.390+	KE4SNT	Black Rock Mt.
224.020-	WB4JEH	Conyers
224.200-	KC4OVY	Atlanta-NE
29.620-	KF4XH	Macon
441.350+	KD4DXR	Waleska
442.975+	WA4YNZ	Roswell
443.850+	K4PLM	Waleska
444.000+	WD4AFY	Savannah
443.750+	KF4BMG	Marietta
444.975+	WA4YNZ	Cumming
923.0000-	WA4VHP	Savannah

New SERA Georgia Director Terry W4TL (center) is also the LARC president. Here, he introduces members to ComStudy during a SERA presentation at the March meeting in Gainesville.

FORM 09 OVERDUE

Overdue Form 09s for new repeaters are down another 7%. We lost three and added one. Our sincere appreciation goes out for the cooperation of everyone involved in achieving this.

Freq.	Callsign	Location	Overdue
53.010-	W4MAZ	Cochran	01/01/03
145.150-	K4TWG	Baconton	07/03/02
146.745-	AF4VH	Springfield	07/03/02
147.090+	KE4RWR	Bainbridge	01/06/96
147.225+	KG4ABK	Doerun	06/12/00
224.100-	K4SWS	Eatonton	12/29/02
224.660-	NP2Y	Young Harris	01/20/00
224.720-	W4UWH	Clayton	10/04/00
224.820-	WR4MG	Hawkinsville	10/19/97

441.975+	WB4ULK	Columbus	08/26/02
442.000+	AF4UL	Macon	10/13/01
442.300+	KW4KW	Ringold	06/08/99
442.425+	K4SWS	Eatonton	12/29/02
442.700+	W4MAZ	Macon	07/18/02
443.125+	KG4PUW	Stockbridge	12/29/02
443.525+	N4PQR	Knoxville	05/07/97
443.650+	W4CML	Atlanta	01/19/02
443.975+	KB4NPO	Rex	12/19/95
444.100+	WR4CW	Atl/Glenridge	08/26/02
444.125+	KE4PVE	Pendergrass	01/06/96
444.300+	KC4YNY	Hogansville	06/05/99
444.350+	KE4PVE	Newnan	10/25/96
444.775+	N4MXC	Cochran	11/29/97
444.850+	N4YXL	Greensboro	04/14/97
444.850+	KG4OGC	Hinesville	09/30/96

PAPER REPEATER PROGRESS IN GA

I pointed out in the last RJ how easy it is for repeaters to be nonexistent but still on the books. Since then I've identified a total of 482 [ostensibly] active GA repeaters in the current SERA database, as follows:

- 23 that are known to be uncoordinated
- 459 that are either coordinated or have applied for coordination.

All of Georgia's unidentified "paper" repeaters lurk somewhere among the "good guys" within the foregoing 482 candidates, with an abundance of suspicion centered on the following groups (which represent an astonishing 37% of the known repeaters in Georgia):

- 25 Georgia repeaters for which their owners are 1-9 years late in submitting the initial mandatory Form 09 to make their coordination official
- 153 Georgia repeaters for which their owners are 1-13 years late in submitting the required annual datasheets.

The 178 above-referenced repeater owners, plain and simple, have not honored the explicit contracts which they made with their SERA coordinators. Any among them that have never gone into operation, have been abandoned, or are no longer in operation are directly responsible for the dearth of available repeater pairs in Georgia. Their owners may love themselves, but they are *not* friends of amateur radio. Tragically, if they are not legitimate full members they are also not getting the RJ, and thus don't even know we're talking to them.

WAIT...ONE MORE GEORGIA STAFF CHANGE

At this time I need to turn my full attention to some other things—property maintenance, eight grandkids, couple of new repeaters to build, and a book manuscript in progress that I set aside a year ago—so this RJ issue will end my tour with SERA and the Georgia column. It's been a great pleasure and experience for me. Hope it's met the expectations of most of you.

Don't know yet who Terry W4TL has lined up, but please keep your comments and suggestions flowing to my successor. And please continue to support SERA by your membership.

—73, Vester N8EKA

[Editor's note: I was sorry to learn that Vester was leaving SERA. He brought a lot of interest and style to his corner of the Repeater Journal. *I hope he will consider making frequent contributions to the magazine in the future - his input will be welcome – KN4AQ*

Reader Feedback: Paper Repeaters

[As Vester began publishing lists of "Paper Repeaters" in his Georgia column, at least one ham with an overdue Form 09 was perturbed enough to write to him and me. The letter had some "edge" to it – the writer was not happy with SERA, and felt publishing the list was "unprofessional." The subject line of the e-mail was "Subpar reporting."

Vester took this personally, as you might imagine, and wanted the letter printed as received. I corresponded with the reader, who asked that I consider a bit more. He made some specific observations of problems and suggested some solutions.

What you'll see below is a composite of the two letters, truncated for space, I'm afraid. SERA is never at a loss for suggestions on how we can do things better. The problem is almost always that these suggestions take considerably more time and effort than the coordinators are already expending. That may be the case here. But we are the Repeater Journal, *and talking repeaters is what we should be doing, so this seems like a good time to let one of our members express what's on his, and maybe many other, minds – KN4AQ]*

All the time spent retrieving the data in the **Overdue Repeater** table and composing the chastisement *could* have been spent retrieving the e-mail addresses and composing a reminder or notice that "Continued Delinquency" will soon be met with "Coordination Denia." This is purely unprofessional. Okay, so we missed our goal to get our repeaters on the air. Your policy is to allow 6 months for construction, a 6 month extension, and then what?

My design criteria changed pretty drastically after SERA accepted my proposal. But never mind that and certain other personal tragedy. I'll put my repeater on the air when I get finished with it. If I have to seek coordination afterwards or operate on a non-interference basis, I think the rules will allow that. But, how dare you continue to focus attention on the Form 9 delinquents. Do you THINK we don't know who we are??

It appears from my outside, purely observer perspective that SERA has no means to gauge the progress of machines "under construction" or the commitment of applicants to see their project through to completion. You have a tough job, but the *RJ* shouldn't be your instrument for managing compliance with your policies. It won't win you any respect from your readers and members – those folks who pay the dues. However, I can't walk away from this subject without trying to leave you with something constructive.

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Issue #1: If I remember what I read long ago, SERA recommends against purchasing any equipment until an applicant's proposal is accepted and conditional coordination is granted. Good advice. However, except for those with unlimited budgets, this can put you in a bind in trying to procure needed equipment and get your machine on the air within 6 months. Twelve months is better, but it still took me forever to find a suitable antenna on the used/surplus/donation market.

Suggestion: There is a finite number of frequency pairs in each band and a finite or closed area that can sustain a finite number of repeaters. With some amount of seat time at the computer, SERA could develop a generalized map of coverage "holes" that could be published so that prospective builders could get a head start on locating equipment prior to making a formal proposal. If the size of the hole diminishes by the time the application is made, then you control the specification of the proposed machine to limit coverage area in order to avoid interference.

Issue #2: Suitable, affordable equipment from the used/surplus market can be difficult to find and acquire. A considerable amount of the "allowable" time period can be consumed just scouring the market for equipment.

Suggestion: SERA could encourage (by way of the *Journal*) its membership to submit by e-mail or voice-mail their knowledge of available equipment in their area or in their own garage. SERA could compile a list of potential commercial sources, radio shops, leads on recent municipality upgrades, etc. Delete non-commercial records over 90 days old. Sort and provide data upon request to prospective repeater builders. SERA could serve as a "clearing house" of information on available equipment. The result could be more repeaters on the air within the prescribed time period by connecting builders with equipment. *[If anyone thinks they can do a good job of maintaining such a list, contact the editor - KN4AQ]*

Issue #3: Too many unfulfilled proposals. Too many dormant, off-the-air repeaters.

Suggestion for unfulfilled proposals: Enforce your own policy. Frequency pairs not put into use within the prescribed time period go back into the available pool - period. Harsh? Maybe, but rules are rules and this simplifies your ability to support other customers. Exceptions considered on a case-by-case basis when the applicant provides adequate written documentation or justification to SERA.

Suggestion for dark repeaters: Solicit for volunteers to serve on a monitoring and reporting "committee." This group would systematically check for activity or availability of repeaters within their respective coverage area on a prescribed basis - quarterly, annually, etc. The resulting "inventory" would be tabulated and compared to reports submitted by owners. Machines off the air for one-year become uncoordinated - period. Harsh, again? Rules, again. First come, first served on the "abandoned" frequency pairs. Don't overlook the need for independent verification of reports.

Issue #4: Frequency pairs unavailable and sitting in "indeterminate limbo" while machines are under construction.

Suggestion: Alter your policy to require applicants to submit a monthly progress report detailing the status of their project.

The frequency spectrum is a resource that we all need to do our part to manage wisely. We, as operators, need to recognize our responsibilities and obligations and do our part. SERA, on the other hand, must do its part as a regulating body to establish AND enforce its own policy. We can find ways to help you, but we cannot do that for you.

Mike Parkerson AF4UL

Petros TN .255 repeater to return!

The Petros, TN 147.255 repeater, with wide coverage into GA and KY, will return to the air! See Bob Gault's TENNESSEE news column for details.

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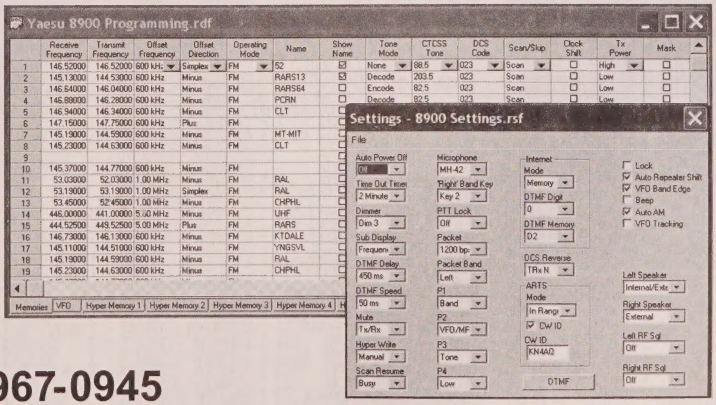

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THE SERA OFFICIAL REPEATER INDEX

REPEATER LISTINGS FOR: GEORGIA ■ KENTUCKY ■ MISSISSIPPI ■ NORTH CAROLINA ■ SOUTH CAROLINA ■ TENNESSEE ■ VIRGINIA ■ WEST VIRGINIA

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SERA will not be responsible for incorrect or omitted listings. The responsibility of correct listings is that of the actual repeater owner or sponsor. SERA makes every effort to keep the index as accurate as possible with information provided. The SERA ***Repeater Journal*** repeater lists contain certain repeaters which are NOT or have not been coordinated by SERA, or are not operating according to recognized frequency utilization plans. SERA does not necessarily condone or recognize such repeaters as being legal or illegal. They are listed in our indexes primarily to keep our readers informed of all repeaters known in the areas served by The SERA.

Some repeater owners or sponsors allow voice as well as other functions on their machine. Operators should check with owners for additional information about what is allowed, and what features are available. Digital Repeaters with normal input/output (pairs) are listed in the regular FM repeater index. Digital systems operating simplex are not coordinated by SERA and are not on our repeater lists. The *codes* column contains the tone or access code for those repeaters which the owner or trustee has given us written permission and asked that we publish them . Access tones are listed for the reader's convenience both in the By-State, and the By-Frequency listings.

Entries with "#" in front of city indicates repeaters added to this index that have not been coordinated through the local SERA state coordinator. Owners may work with their coordinator to get this indicator removed. Repeaters that have been coordinated but may not yet be on the air yet are listed with "PROP" in the codes column. Owners should notify SERA when on the air.

Repeater owners are reminded to contact their local Frequency Coordinator for assistance in coordination, changes in their listings, or any other requirements. All SERA services are FREE. It is very important that the annual SERA repeater datasheet, sent to all known repeater operators, be accurately updated each year and returned to SERA.

SERA RECOMMENDED FM VOICE SIMPLEX

10 Meters:	29.600#						
6 Meters:	52.490	52.525#					
2 Meters:	146.400*	146.415*	146.430*	146.445*	146.460*	146.475*	146.490*
	146.505*	146.520#	146.535	146.550	146.565	146.580	146.595
	147.405*	147.420*	147.435*	147.450*	147.465*	147.480*	147.495*
	147.510	147.525	147.540	147.555	147.570	147.585	
222 MHz	223.400	223.420	223.440	223.460	223.480	223.500#	223.520
	223.540	223.560	223.580	223.600	223.620	223.640	
440 MHz	445.825	445.875	445.900	445.925	445.950	445.975	446.000#
	446.025	446.050	446.075	446.100	446.125	445.150 (Not all listed)	

* Permitted for Voice Simplex use unless operation would cause interference to repeater inputs. Be aware that SERA coordinates some of these frequencies as repeater inputs in some areas.
# - Designated National Simplex Frequencies.

SERA RECOMMENDED DIGITAL SIMPLEX CHANNELS

2 Meters:	144.390#	144.910	144.930	144.950	144.970	144.990	145.010
	145.030	145.050	145.070	145.090	145.510	145.530	145.550
	145.570	145.590	145.610	145.630	145.650	145.670	145.690
	145.710	145.730	145.750	145.770			
222 MHz	223.660	223.680	223.700	223.720	223.740	223.760	223.780
	Hi Speed Digital Chan. -		222.350 to 222.450 (222.400 Center) - (100 KHz wide)				
	Hi Speed Digital Chan. -		223.800 to 223.900 (223.850 Center) - (100 KHz wide)				
440 MHz	440.9125	440.9250	440.9375	440.9500	440.9675	440.9750	440.9875
	441.0000	441.0125	441.0375	441.0500	441.0625	441.0750	441.0875
	441.1000	441.1125	441.1375	441.1500	441.1625	441.1750	

NOTE: Digital operators are reminded to check with their local Digital organizations as to which channels are available for various digital usage in their particular area. Some channels are for exclusive use of LAN or BBS, etc. usage. #144.39 Generally Accepted APRS channel

SERA JOURNAL REPEATER LISTINGS BY STATE - BY CITY

Listings Correct as of April 18, 2004

PLEASE NOTE: CTCSS Tone Frequencies are listed for repeaters only if the repeater sponsors request they be listed. Tone access listing does not indicate a closed repeater.

GEORGIA

10 METERS

CONYERS	AI8H	29.680	-		
DALTON	N4BZJ	29.680	-		
#MACON	KF4XH	29.620	-	UNCOR	
MONROE	KQ4XL	29.620	-		
VALDOSTA	KB0Y	29.680	-	T141.3	☺
WARNER ROBINS	WR4MG	29.660	-		

6 METERS

ATL/MARIETTA	KD4DKW	53.090	-	T151.4	☺
ATLANTA	KA5WZY	53.150	-		
AUGUSTA	W4WTA	53.030	-		☺
BISKEY MT.	KC4JNN	53.050	-	T100.0	☺
CARTERSVILLE	WB4AEG	53.070	-	T123.0	☺
COCHRAN	W4MAZ	53.010	-	PROP	☺
CONYERS	WB4JEH	53.550	-	T151.4	
#CONYERS	WB4JEH	51.550	+	UNCOR	
CRAWFORD	KD4FVI	53.330	-	T88.5	
#CUMMING	WA4YNZ	51.700	-	UNCOR	
DALTON	N4BZJ	53.130	-		
HIAWASSEE	KC4CBQ	53.270	-	186.2	
KINGSLAND	KC5BMJ	51.940	-	T82.5	☺
LAKE PARK	KB0Y	53.890	-	T141.3	☺
LAWRENCEVILLE	W4GR	53.110	-	82.5	
LULA	WB4HJG	53.890	-	T82.5	☺
#MACON	KF4XH	53.390	-	UNCOR	
#MACON	KR4OL	53.430	-	UNCOR	
MARIETTA	N1KDO	53.210	-	T79.7	☺
MARIETTA	KF4BMG	53.250	-	T79.7	
MCINTYRE	KF4CXL	53.730	-	T77.0	☺
#PINE LOG MT	WD4OVN	53.450	-	UNCOR	☺
#PINE LOG MT.	K4PLM	53.290	-	UNCOR	
#ROSWELL	WA4YNZ	53.010	-	UNCOR	
SUMMERVILLE	KK4MC	53.750	-	PROP	
THOMASVILLE	KI4AWK	51.740	-	PROP	
WARM SPRINGS	KD4BDB	53.230	-	PROP	
WARNER ROBINS	WR4MG	53.790	-		
WATKINSVILLE	KD4AOZ	53.570	-	T123.0	☺

2 METERS

ADAIRSVILLE	K4NGA	146.685	-	167.9	☺
ALBANY	W4MM	146.700	-		☺
ALBANY	W4MM	146.730	-		☺
ALBANY	W4MM	146.820	-	T141.3	☺
ALLENHURST	KF4ZUR	147.270	+	162.2	
AMERICUS	W4VIR	147.270	+	T141.3	☺
ASHBURN/TIFTON	W4PVW	147.285	+	T141.3	☺
ATHENS	KD4QHB	146.745	-		☺
ATHENS	KD4AOZ	146.955	-	T123.0	☺
ATHENS/CRAWFRD	K4TQU	147.375	+	127.3	☺
ATL/UNION CITY	W4ZT	146.625	-	100.0	
ATLANTA	W4IBM	145.290	-	T88.5	☺
ATLANTA	W4DOC	145.350	-	T146.2	☺
ATLANTA	K4LCI	145.430	-		
#ATLANTA	WB4QGR	146.640	-	UNCOR	
ATLANTA	W4DOC	146.820	-	T146.2	☺
ATLANTA	K4CLJ	146.970	-	T	
ATLANTA	WA4NNO	147.000	-		
ATLANTA	KA5WZY	147.285	+		
ATLANTA CARES	WB4RTH	147.105	+	T107.2	☺
ATLANTA/AIRPORT	W4REI	147.030	+		
ATLANTA/BELL	W4PME	145.410	-	100.0	☺
ATLANTA/MARIETTA	N4NFP	146.655	-	T151.4	☺
ATLANTA/MARIETTA	N4NEQ	147.345	+	151.4	☺
ATLANTA/SWEAT MT	KD4NC	146.730	-		
AUGUSTA	KK4HL	145.110	-		
AUGUSTA	W4DV	145.290	-	T100.0	☺
AUGUSTA	AA4UA	145.370	-		
AUGUSTA	K4KNS	145.410	-		☺
AUGUSTA	W4DV	145.490	-		☺
AUGUSTA	KT4N	146.940	-		
AUGUSTA	K4KNS	146.985	-	100.0	☺
AUGUSTA	N4BMA	147.180	+		
#AUSTELL	K4JPD	147.195	+	UNCOR	
BACONTON	K4TWG	145.150	-	PROP	
BAINBRIDGE	KE4RWR	147.090	+	PROP	
BALDWIN	WD4NHW	147.180	+		☺
BARNESVILLE	W8JI	147.225	+		
#BLACK ROCK MT	KE4SNT	147.390	+	UNCOR	
BLAIRSVILLE	W9QXW	146.955	-	T100.0	☺
BOGART	W4EEE	147.000	+	T	☺
BONAIRE	KD4HMH	145.470	-	T	
BONAIRE	K4EDN	147.015	+	T82.5	☺
BOSTON	W4UCJ	147.195	+		
BRUNSWICK	K4TVE	146.730	-		
CALHOUN	K4WOC	146.745	-	T100.0	☺
CARROLLTON	W4FWD	146.640	-	T131.8	☺
CEDAR GROVE	WA4EHO	147.150	+	PROP	
CEDARTOWN	W4CMA	147.120	+		☺
CHATSWORTH	N4YYD	145.250	-	T71.9	
CLARKESVILLE	K4HCA	147.120	+		☺
CLAXTON	W4CLA	147.075	+		
CLEVELAND	WB4HIG	146.910	-		☺
COCHRAN	N4MXC	145.110	-	T107.2	
COCHRAN	W4MAZ	147.330	+	T77.0	☺
COLBERT	N4ALE	147.300	+	123.0	☺
COLUMBUS	W4FIZ	145.310	-	T123.0	☺
COLUMBUS	W4CVY	146.610	-	T	☺
COLUMBUS	W4CVY	146.880	-		☺
COMMERCE	NE4GA	147.225	+	T123.0	☺
CONYERS	WB4JEH	145.230	-	T151.4	
CONYERS	WB4JEH	146.610	-	T151.4	
CONYERS	KF4GHF	147.210	+	T162.2	☺
CORDELE	KA4WUJ	145.490	-	T103.5	☺
COVINGTON	WA4ASI	146.925	-		
CUMMING	WB4GQX	147.150	+		☺
DAHLONEGA	N4KHQ	146.835	+	T100.0	☺
DALLAS	WD4LUQ	146.895	+	T77.0	☺
DALTON	W4DRC	145.230	-		
DALTON	N4BZJ	147.135	+	T118.8	
DARIEN	WA4EPK	146.685	-		
DECATUR	W4BOC	145.450	-		
DOERUN	KG4ABK	147.225	+	PROP	
DOUGLAS	KE4ZRT	147.045	+	141.3	☺
DOUGLAS	KE4ZRT	147.165	+	T141.3	☺
DOUGLAS	AD4EQ	147.315	+	T141.3	☺
DOUGLASVILLE	KR4HV	145.110	-	T88.5	☺
DOUGLASVILLE	W4SCR	147.360	+	T88.5	☺
DUBLIN	WA4HZX	147.360	+		
EASTMAN	KC4RRO	145.210	-		
EASTMAN	KF4ODQ	145.330	-	T77.0	
EATONTON	KC4YHM	147.090	+	T179.9	
ELBERTON	N4UJT	146.625	-		
ELLIJAY/TALONA M	KC4ZGN	146.985	-	T77.0	
EMERSON	AE4JO	147.240	+	T103.5	☺
FAYETTEVILLE	WA4EPK	145.210	-	131.8	
FAYETTEVILLE	K4KZY	146.685	-		☺
FOLKSTON	KD4GEY	146.790	-		☺
FORSYTH	W4STJ	147.315	+	88.5	
GA TECH	W4AQL	145.150	-	167.9	
GAINESVILLE	W4CBA	145.190	-	PROP	☺
GAINESVILLE	W4ABP	146.670	-	T131.8	☺
GRIFFIN/CENAR	K4HYB	145.390	-	T88.5	☺
GRIFFIN/CENAR	K4HYB	146.910	-		☺
HARTWELL	N4VNI	146.895	-	T100.0	
HAWKINSVILLE	WR4MG	146.895	-	T107.2	
HINESVILLE	KG4OGC	147.015	+		
IRWINTON	WB4NFG	147.240	+	T77.0	
JASPER	KB4IZF	145.370	-	T100.0	☺
JASPER	K4UFO	146.700	-		☺
JASPER	KC4AQS	146.805	+	T100.0	
JESUP	WA4EQL	145.190	-		☺
JESUP	WA9RNZ	145.430	-	T118.8	☺
JESUP	N4ZON	146.865	-	T123.0	☺
JESUP	N4PJR	146.925	-	T141.3	☺

GEORGIA REPEATERS CONTINUE

JESUP/SCREVEN	N4PJR	147.345	+ 141.3	☺
JONESBORO	WA4DIW	145.170	-	☺
JONESBORO	WA4OGE	145.330	-	
KIBBEE	K4HVK	146.820	- T	☺
KINGSLAND	KC4WWU	147.285	+ T118.8	☺
LAFAYETTE	KB4VAK	147.375	+ T77.0	
LAGRANGE	KD4BWK	146.700	- T141.3	
LAGRANGE	WB4BXO	147.330	+	
LAKE PARK	WR4SG	147.135	+ T141.3	☺
LAVONIA	K4NVG	146.715	- T100.0	☺
LAWRENCEVILLE	W4GR	147.075	+ 82.5	
#LINCOLNTON	KT4N	147.120	+ UNCOR	
LOOKOUT MT	W4GTA	145.350	- T100.0	☺
LOOKOUT MT.	W4RRG	146.760	- T67.0	☺
MACON	W4BKM	145.370	- T88.5	☺
MACON	AA4RI	145.430	-	☺
MACON	WR4DH	146.730	- T100.0	☺
MACON	K4PDQ	146.805	- T77.0	☺
MACON	WA4DDI	147.060	+ T	☺
#MACON	KF4XH	147.165	+ UNCOR	
MADISON	WB4DKY	146.865	- T179.9	☺
MADRAS	N4OME	147.165	+ T131.8	☺
MARIETTA	W4LMA	145.490	- 88.5	
MARIETTA	N4NEQ	146.775	- T151.4	☺
MARIETTA/ATLANTA	W4BTI	146.880	- T100.0	☺
MCINTYRE	KF4CXL	145.150	- T77.0	☺
MCINTYRE	KF4CXL	145.250	- T136.5	☺
MILLEDGEVILLE	WB4DOJ	146.700	- T67.0	☺
MILLEDGEVILLE	KE4UWJ	147.135	+ T123.0	☺
MONROE	KF4GHF	147.270	+ T162.2	☺
MORGANTON	N4NEQ	147.165	+ T151.4	☺
MOULTRIE	WD4KOW	146.790	-	☺
NASHVILLE	KB4JF	145.310	- T141.3	
NEWNAN	K4SEX	145.130	- 156.7	☺
NEWNAN	K4SEX	146.790	-	☺
OCILLA	KD4MFS	145.350	-	☺
PEMBROKE	KF4DG	147.105	+	
PEMBROKE	W4CJB	147.390	+	
PERRY	WR4MG	145.290	- T107.2	
PERRY	WR4MG	146.955	- 107.2	
PINE MT/HAMILTON	WB4ULJ	145.190	-	
QUITMAN	WA4NKL	146.880	-	☺
RICEBORO	KG4OGC	145.470	-	
RINGGOLD	W4ABZ	146.715	- T67.0	
ROME	WB4YSV	147.300	+	
ROME/MT. ALTO	W4VO	146.940	- 88.5	
ROSWELL	N4CLA	147.060	+	
SANDERSVILLE	KT4X	145.270	- T77.0	☺
SAVANNAH	K4NLX	146.700	- T100	
SAVANNAH	K4SDJ	146.850	-	☺
SAVANNAH	W4HBB	146.880	-	☺
SAVANNAH	W4HBB	146.970	-	☺
SAVANNAH	WA4IDS	147.150	+	
SAVANNAH	K4NLX	147.210	+	
SAVANNAH	K4NLX	147.330	+	
SNELLVILLE	KR4NQ	147.255	+ T107.2	☺
SPRINGFIELD	AF4VH	146.745	- PROP	
ST SIMONS ISLAND	N4XGI	145.330	- T131.8	☺
STOCKBRIDGE	WA4JDR	145.310	-	☺
STONE MT	W4BOC	146.760	- T107.2	
SUMMERVILLE	W4RLP	147.225	+ 100.0	☺
SWAINSBORO	K4VYX	146.790	-	
SWEAT MT/MARIETT	N4CLA	145.470	-	
THOMASTON	W4OHH	147.390	+ 131.8	☺
THOMASVILLE	W4UCJ	147.060	+	
#THOMSON	KC4GSS	146.835	- UNCOR	☺
TOCCOA	N4MTN	147.330	+	☺
UNADILLA	WR4MG	146.760	- T107.2	
VALDOSTA	WR4SG	145.130	- T141.3	☺
VALDOSTA	KF4BJM	146.760	- 141.3	
VIDALIA	K4HAO	146.625	-	☺
WALESKA/PNLG MT	K4AIS	145.270	- T100.0	☺
WALESKA/PNLG MTN	K4AIS	147.015	- T100.0	☺
WARM SPRINGS	KN4FE	146.985	-	
WARNER ROBINS	WA4ORT	146.850	-	☺
WARNER ROBINS	WB4BDP	147.180	+ 107.2	☺
WARNER ROBINS	WR4MG	147.300	+ 107.2	
WATKINSVILLE	KD4AOZ	147.045	+ T123.0	☺
WAYCROSS	AE4PO	146.640	- T141.3	☺
WAYCROSS	AE4PO	147.255	+ T141.3	☺
WAYNESBORO	K4BR	145.230	-	
WRENS	KB4NA	146.775	-	
WRIGHTSVILLE	WA4RVB	146.940	-	☺
YOUNG HARRIS	K2YRW	147.090	+	☺

220 MHZ

ACWORTH/ATL	N4MTA	224.320	- T123.0	☺
ACWORTH/ATL	N4MTA	224.500	- T123.0	☺
ALPHARETTA	NX9O	224.580	- 100.0	
ALPHARETTA	KC4JNN	224.860	- T100.0	☺
ATLANTA	W4DOC	224.340	- T146.2	☺
ATLANTA	KK4C	224.820	- T77.0	
#ATLANTA-NE	KC4OVY	224.200	- UNCOR	
ATLANTA/BELL	W4PME	224.620	- 100.0	☺
ATLANTA/MARIETTA	N4NFP	224.120	- T151.4	☺
ATLANTA/MARIETTA	N4NEQ	224.440	- T151.4	☺
ATLANTA/MARIETTA	K4RFL	224.960	- T100.0	☺
AUGUSTA	WB4KXO	224.940	-	
BISKEY MTN	KC4JNN	224.160	- T100.0	☺
CEDARTOWN	KC4KLW	224.780	- T179.9	☺
CLAYTON	W4UWH	224.720	- PROP	☺
CONLEY	N4MNA	224.280	-	☺
#CONYERS	WB4JEH	224.020	- UNCOR	
DAHLONEGA	N4RBT	224.380	- T100.0	☺
DALLAS	N4YDX	224.180	-	
DALLAS	N4YEA	224.540	-	☺
DALLAS	W4TIY	224.700	-	☺
DALTON	N4BZJ	224.360	- T	
DALTON	N4BZJ	224.460	- T118.8	
DALTON	N4BZJ	224.680	-	
DALTON	N4KVC	224.740	- T	
DECATUR	W4BOC	224.760	-	
EATONTON	K4SWS	224.100	- PROP	
FT MT/CHATSWTH	N4YYD	224.240	- T71.9	
GAINESVILLE	W4TL	224.840	- T203.5	☺
HAWKINSVILLE	WR4MG	224.820	- PROP	
JASPER	KC4AQS	224.400	- T100.0	
JASPER	W4UWH	224.600	- 100.0	☺
LOOKOUT MT	W4RRG	224.560	- T	☺
LOOKOUT MT.	W4RRG	224.640	-	☺
MARIETTA	KE4QFG	224.260	- T110.9	☺
MARIETTA	W4LMA	224.900	-	
PINE LOG MTN	K4AIS	224.520	-	☺
RAY CITY	KB0Y	224.220	- 141.3	☺
SNELLVILLE	W4CSX	224.920	- T100.0	
VALDOSTA	KB0Y	224.460	- T141.3	☺
VILLA RICA	KB4TIW	224.300	- T131.8	☺
WALESKA	KD4ALC	224.140	-	
WALESKA/PNLG	K4AIS	224.940	-	☺
WARNER ROBINS	WR4MG	224.840	-	
WATKINSVILLE	KD4AOZ	224.420	- T123.0	☺
YORKVILLE	WD4LUQ	224.880	- T77.0	☺
YOUNG HARRIS	NP2Y	224.660	- PROP	☺

440 MHZ

ACWORTH	KC4YNF	441.800	+ T77.0	
ALBANY	W4MM	444.500	+	☺
ALPHARETTA	WB6RTH	442.000	+ 107.2	☺
ATHENS	AA4AI	442.950	+ T179.9	☺
ATHENS	WW4GA	443.300	+ T	☺
ATHENS/CRAWFORD	KC4GZX	444.300	+ T127.3	
ATL/MARIETTA	N4NFP	442.800	+ T	☺
ATL/UNION CITY	W4ZT	442.125	+ T100.0	
ATLANTA	W4CML	442.025	+ T127.3	
ATLANTA	WB5EGI	442.225	+ PROP	☺
ATLANTA	N4XQM	442.525	+ T110.9	☺
ATLANTA	KE4PVE	442.675	+ T100.0	
ATLANTA	WA4YNZ	442.975	+ T	
ATLANTA	W4CML	443.025	+ T127.3	
ATLANTA	KA5WZY	443.600	+ T146.7	
ATLANTA	W4CML	443.650	+ PROP	
ATLANTA	KD4LXT	443.875	+	
ATLANTA	W4DOC	444.450	+ T146.2	☺
ATLANTA	KD4GPI	444.500	+ T110.9	☺
ATLANTA	W4DOC	444.825	+ T146.2	☺
ATLANTA	WA4NNO	444.925	+	
ATLANTA	WA4YNZ	444.975	+ T	
ATLANTA/BELL	W4ZTL	421.250	+	☺
ATLANTA/BELL	W4PME	444.150	+ T100.0	☺
ATLANTA/GLENRI	WR4CW	444.100	+ PROP	☺
ATLANTA/MARIETTA	K4RFL	442.875	+ T100.0	☺
ATLANTA/MARIETTA	N4NFP	443.800	+ T151.4	☺
ATLANTA/MARIETTA	N4NEQ	444.050	+ T151.4	☺
ATLANTA/MARIETTA	N4NEQ	444.775	+ 151.4	☺
AUGUSTA	KD4BOO	444.900	+	☺
BAINBRIDGE	W4DXX	443.000	+ 100.0	
BALDWIN	WD4NHW	442.350	+	☺
BARNESVILLE	N4GWO	443.675	+	
BISKEY MTN	KC4JNN	443.250	+ T100.0	☺
BLAIRSVILLE	KF4SKT	442.200	+	
BLUERIDGE	KD4GRU	442.125	+ 146.2	
BOGART	W4EEE	443.475	+ T	☺
BONAIRE	K4EDN	444.625	+ T82.5	
BRUNSWICK	KD4CPO	443.425	+	
BRUNSWICK	K4TVE	444.975	+	
BYRON	KF4XH	443.150	+	
BYRON	WB4SBT	444.700	+ T103.5	☺
CALHOUN	K4WOC	443.675	+ T100.0	
CANTON	WA4EOC	443.075	+ T107.2	
CARROLLTON	W4FWD	444.075	+ T131.8	☺
CARTERSVILLE	K4AIS	443.175	+ T100.0	☺
CEDARTOWN	KD4NTF	443.575	+ T107.2	☺
CHATSWORTH	W4DRC	443.000	+	
CLAYTON	W1CP	442.825	+ T162.2	☺
CLERMONT	W4TL	444.950	+ T131.8	☺
CLEVELAND	K4VJM	442.625	+ T100.0	
COBB COUNTY	WC4RAV	443.450	+ T103.7	
COCHRAN	W4MAZ	442.875	+ T77.0	☺
COCHRAN	N4MXC	444.775	+ PROP	
COCHRAN	W4MAZ	444.975	+ 77.0	☺
COLLEGE PARK	KG4PTO	442.350	+ OT	☺
COLUMBUS	WB4ULK	441.975	+ PROP	
COMMERCE	NE4GA	441.975	+ T123.0	☺
CONCORD	WB4GWA	443.400	+ 118.8	
CONYERS	WB4JEH	442.550	+ T151.4	
CONYERS	KB2DZA	443.725	+ T77.0	
CONYERS	WB4JEH	444.550	+ T151.4	
CONYERS	KC4ELV	444.750	+ T162.2	☺
CORNELIA	K4JLG	444.275	+ T100.0	☺
COVINGTON	K4GO	443.750	+ T146.2	
COVINGTON	KE4PVE	444.175	+ T100.0	
COVINGTON	WA4ASI	444.800	+ T88.5	
CUMMING	WB4GQX	441.900	+ T141.3	☺
CUMMING	WA4BPY	442.575	+ T79.9	☺
CUMMING	N1IB	443.400	+ PROP	
CUMMING	W4CBA	444.625	+ T123.0	☺
#CUMMING	WA4YNZ	444.975	+ UNCOR	
DACULA	KK4IN	443.550	+	
DAHLONEGA	N4KHQ	443.100	+ 100	☺
DAHLONEGA	N4BBQ	444.900	+ T100.0	☺
DALLAS	W4CSX	441.925	+ T162.2	
DALLAS	WB4QOJ	443.475	+ PROP	☺
DALLAS	W4TIY	443.700	+	☺
DALLAS	WD4LUQ	444.700	+ T77.0	☺
DALLAS	AG4PR	444.725	+ PROP	☺
DALTON	W4LAW	441.875	+ PROP	
DALTON	N4BZJ	442.175	+ T118.8	
DALTON	N4BZJ	444.500	+ T118.8	
DALTON	N4BZJ	444.850	+	
DANIELSVILLE	KE4FHN	442.650	+ T	
DECATUR	N3APR	442.200	+	
DECATUR	KA4UFM	443.950	+ T110.9	☺
DECATUR	W4BOC	444.250	+	
DEVEREUX	KC4YAP	444.575	+ PROP	☺
DOUGLAS	KE4ZRT	443.000	+ T141.3	☺
DOUGLASVILLE	W4SCR	444.575	+ T88.5	☺
DUBLIN	KD4FOC	442.600	+ T77.0	☺
DULUTH	W2SJB	442.400	+ PROP	
EATONTON	K4SWS	442.425	+ PROP	
ELLIJAY	KC4ZGN	442.700	+ T77.0	
EMERSON	AE4JO	443.425	+ T103.5	☺
FAYETTEVILLE	W4PSZ	444.600	+ T77.0	
FLOWERY BRANCH	K4RHJ	443.900	+ T131.8	☺
FOLKSTON	KD4GEY	444.475	+	☺
FT. MT/CHATSWTH	N4YYD	443.350	+ T71.9	
GAINESVILLE	W4CBA	444.350	+ PROP	☺
GRAY	K4MDS	443.625	+	
GRAY	K4DDH	444.275	+ T100.0	☺
GREENSBORO	N4YXL	444.850	+ PROP	
GRIFFIN	KF4QLF	441.850	+	☺
GRIFFIN	KE4WLP	443.550	+	☺
HAMILTON	WB4ULJ	444.400	+	
HAPEVILLE	KC4ENL	442.825	+ T167.9	
HELEN	K4PE	444.425	+ T127.3	
HIAWASSEE	KC4CBQ	444.675	+ 186.2	
HIGH PT/LOOKT MT	KB4VAK	443.450	+ T77.0	
HINESVILLE	KG4OGC	444.850	+ PROP	
HOGANSVILLE	KC4YNY	444.300	+ PROP	
IRWINTON	WB4NFG	444.925	+ T77.0	
JASPER	N3DAB	442.750	+ T141.3	☺
JASPER	KC4AQS	443.375	+ T100.0	
JASPER	KB4MDE	443.425	+	
JASPER	KF4OYP	443.625	+ T100.0	
JASPER	KB4IZF	444.375	+ T103.5	☺
JESUP	N4PJR	444.925	+ T141.3	☺
JONESBORO	WA4DIW	443.225	+	
KENNESAW	WK4E	442.425	+ PROP	☺
KINGSLAND	KC5BMJ	444.625	+ T118.8	☺
KINGSTON	AF4PX	444.125	+ T	
KNOXVILLE	N4PQR	443.525	+ PROP	
LAKEMONT	K4NRZ	444.750	+ T	
LAVONIA	K4NVG	442.475	+ T203.5	☺
LAWRENCEVILLE	WB4HJG	442.850	+ T82.5	☺
LAWRENCEVILLE	KF4RLZ	442.900	+ T123.0	☺
LAWRENCEVILLE	WB4QDX	444.000	+ T127.3	☺
LAWRENCEVILLE	W4CML	444.025	+ T127.3	
LINDALE	KA4ZTY	443.300	+ T100.0	
LITHIA SPRINGS	WB4RL	442.925	+ PROP	
LOOKOUT MT	W4RRG	442.650	+ T100.0	☺
LULA	WB4HJG	444.400	+ T71.9	☺
MABLETON	W4JLG	442.325	+ T	☺
MACON	AF4UL	442.000	+ PROP	
MACON	K4DDH	442.275	+ T100.0	☺
MACON	W4MAZ	442.700	+ PROP	☺
MACON	WX4EMA	443.075	+ T156.7	
MADRAS	K4HAC	442.250	+ T141.3	
MARIETTA	N1KDO	442.050	+ T107.2	☺
MARIETTA	KE4QFG	442.375	+ T	☺
MARIETTA	WA4OKJ	442.600	+ T100.0	
MARIETTA	N4MTA	443.500	+	☺
#MARIETTA	KF4BMG	443.750	+ UNCOR	
MARIETTA	KF4BMG	444.325	+ T79.7	
MARIETTA/ATL	KE4QFG	442.725	+ T	☺
MARLOW	W1MED	442.475	+ T114.8	☺
MCDONOUGH	KE4UAS	444.875	+ T82.5	☺
MCINTYRE	K4YC	443.200	+ T77.0	
MCINTYRE	KF4CXL	444.650	+ T77.0	☺
MONROE	KQ4XL	443.925	+ T123.0	
MOULTRIE	W1BPP	444.625	+ T123.0	☺
NEWNAN	K4NRC	441.875	+ T156.7	☺
NEWNAN	KE4PVE	444.350	+ PROP	
NORCROSS	K4HUM	442.100	+ T100.0	☺
PEACHTREE CITY	W4PSZ	442.500	+ T77.0	
PEMBROKE	AF4MI	441.800	+ T123.0	
PENDERGRASS	KE4PVE	444.125	+ PROP	

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq)
and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

GEORGIA REPEATERS CONTINUE

PERRY	WR4MG	444.950	+			
PINE LOG MT	KD4APP	443.200	+	T103.5		
QUITMAN	WA4NKL	444.600	+	T127.3		☺
REX	KB4NPO	443.975	+	PROP		
RINGGOLD	KW4KW	442.300	+	PROP		
RINGGOLD	W4BAB	443.925	+			
ROCKMART	KC4KLW	443.275	+	T179.9		☺
ROME	KA4MLK	441.825	+	T100.0		☺
ROME	KC4KLW	443.525	+	T179.9		☺
ROSSVILLE	W4RRG	442.475	+	T100.0		
ROSWELL	W8BLA	442.075	+	T		
#ROSWELL	WA4YNZ	442.975	+	UNCOR		
ROSWELL/BELL	W4PME	443.150	+	100.0		☺
SANDY SPRINGS	KE4OKD	441.950	+	T156.7		
SAVANNAH	K4NLX	421.250	+			
SAVANNAH	WA4VHP	427.250	+	T		
SAVANNAH	K4NLX	442.700	+			
#SAVANNAH	WD4AFY	444.000	+	UNCOR		
SMYRNA	N4IBW	444.650	+			
SNELLVILLE	W4CML	442.450	+	T		
SNELLVILLE	NE1H	443.050	+	T		
SNELLVILLE	W4GR	444.525	+	82.5		
ST SIMONS ISLAND	N4XGI	442.950	+	T131.8		☺
STATHAM	WW4T	442.300	+	T		☺
STOCKBRIDGE	KG4PUW	443.125	+	PROP		
STOCKBRIDGE	N4JMD	443.325	+	T		
STONE MTN	KD4HPD	443.825	+	T123.0		☺
SUGAR HILL	N4YF	443.775	+	T82.5		☺
SUMMERVILLE	W4LAW	444.425	+	PROP		
SWEAT MT/MARIETT	N4CLA	444.475	+			
TIFTON	KE4RJI	444.875	+	T		☺
TYRONE/PTC	KN4YZ	444.675	+	T77.0		☺
VALDOSTA	WR4SG	444.350	+	T141.3		☺
VALDOSTA	KF4BJM	444.700	+	T141.3		
VIDALIA	KE4PMP	442.500	+	T88.5		☺
VILLA RICA	KB4TIW	442.775	+	PROP		
#WALESKA	KD4DXR	441.350	+	UNCOR		
#WALESKA	K4PLM	443.850	+	UNCOR		
WARM SPRINGS	N4UER	442.400	+			
WARNER ROBINS	WR4MG	442.900	+			
WATKINSVILLE	KD4AOZ	444.725	+	T123.0		☺
WAYCROSS	AE4PO	444.025	+	T141.3		☺
WOODSTOCK	KE4SJO	444.225	+			
WRIGHTSVILLE	WA4RVB	443.025	+	T156.7		

900 MHZ

ATLANTA	KG4LMT	927.500	-	223.0		
DAHLONEGA	N8EKA	927.525	-	T100.0		☺
#SAVANNAH	WA4VHP	923.000	-	UNCOR		
VALDOSTA	KB0Y	927.4875	-	T141.3		☺

1270 MHZ

ATLANTA/BELL	KB4KIN	1292.000	-			☺
ATLANTA/MARIETTA	N4NEQ	427.250	+			☺
DALTON ATV	N4BZJ	421.250	+			

KENTUCKY

10 METERS

BUCKHORN LAKE	K4XYZ	29.620	-	103.5		☺
INGLE	KA4UHL	29.680	-	T146.2		☺
LOUISVILLE	KK4CZ	29.640	-			

6 METERS

ASHLAND	KC4QK	53.010	-	T107.2		☺
BUCKHORN LAKE	K4XYZ	53.730	-	PROP		☺
DORTON	WR4AMS	53.350	-	PROP		
HAZARD	K4TDO	53.850	-			☺
HIGHLAND HEIGHTS	AD4CC	53.330	-	123.0		☺
HIGHLAND HEIGHTS	W4YWH	53.750	-	123.0		☺
LAGRANGE	WB4WSB	53.950	-	PROP		
LAWRENCEBURG	N4EQT	53.130	-	T107.2		
LEXINGTON	KE4LGL	53.570	-			
LONDON	KE4ZJT	53.910	-	T100.0		☺
LOUISVILLE	KF4UAQ	53.290	-			
LOUISVILLE	N7BBW	53.430	-	T151.4		☺
LOUISVILLE	WB4LBR	52.025	+			
NANCY	KA4UHL	53.270	-	T100.0		☺

PLEASE NOTE

The Repeater Journal lists subtones used on repeaters ONLY if they are requested to be listed by the sponsor or owner. The listing of a subtone on any repeater does not in any way indicate it being a "Closed" repeater. Generally in most cases, the tones are used to eliminate noise problems and are listed at the owners request for users convenience.

NICHOLASVILLE	N4ALG	53.090	-	103.5		
#STANTON	WD4KNE	53.810	-	UNCOR		
WAYNESBURG	KE4RKF	53.390	-	T100.0		☺
WILLIAMSBURG	KB4PTJ	53.070	-	T100.0		☺

2 METERS

ALLEN	K4ICN	147.300	+	T123.0		☺
#ARTEMUS	N4INT	147.390	+	UNCOR		
ASHLAND	KG4DVE	146.940	-			☺
ASHLAND	KC4QK	147.240	+	T107.2		☺
ASHLAND	WA8KWH	147.330	+			
BARBOURVILLE	KF4CME	147.135	+	100.0		
BARDSTWN/NELSN	WB4GGH	145.470	-	151.4		☺
BENTON	KC4KAN	145.390	-	PROP		
BEREA	KF4OFT	146.715	-	100.0		
BLACK MTN	KM4M	147.210	+	T103.5		
BOWLING GREEN	K4LOL	147.060	+	156.7		☺
BOWLING GREEN	W4WSM	147.165	+			☺
BOWLING GREEN	KA4CFW	147.330	+			☺
BOWLING GREEN-SO	W4WSM	146.655	-			☺
BROOKS	KY4KY	146.700	-	T151.4		☺
BUCKHORN LAKE	K4XYZ	147.375	+	T103.5		☺
CADIZ	KT4SH	147.195	+	103.5		
CANE VALLEY	WA4UXJ	146.640	-			☺
CORBIN	WD4KWV	146.610	-			☺
COVINGTON	WR8CRA	147.390	+	T123.0		
CRESTWOOD	KY4OC	147.390	+	T151.4		☺
DANVILLE	WD4DZC	146.655	-			☺
DAVID	KC4KZT	145.310	-	T		☺
DAWSON SPRINGS	KF4CWK	147.090	+	T103.5		
#DIXON	N4IOX	147.255	+	UNCOR		
DORTON	KC4KZT	146.895	+	T141.3		☺
DRAKESBORO	KF4DKJ	146.820	-	T		
ELIZABETHTOWN	W4BEJ	146.980	-			
ELKTON	AC4RS	145.430	-	PROP		☺
FARMINGTON	W4GZ	147.240	+	T91.5		
FLEMINGSBURG	KF4BRO	146.955	-	T107.2		☺
FLORENCE	K4JBV	146.895	-	100.0		
FRANKFORT	N4EQT	147.105	+	T107.2		
FRANKFORT	KC4AI	147.240	+	T100.0		
FRANKLIN	KE4SZK	147.135	+	PROP		
GEORGETOWN	KF4NTQ	146.685	-	107.2		
GLASGOW	KY4X	146.940	-			☺
GRAYSON	KD4DZE	146.700	-	107.2		☺
GREENVILLE	WA4TTC	146.745	-			
GRETHEL	KJ4VF	147.045	+	T100.0		☺
GUTHRIE	KA4NNE	146.805	-	100.0		☺
HALLS GAP	W8PRH	145.170	-			☺
HARLAN	WA4ZAC	147.105	+			
HAWESVILLE	KY4HC	146.715	-	PROP		
HAZARD	KF4SJO	146.670	-			☺
HAZARD	W8PRH	146.805	-			☺
HENDERSON	W4KVK	145.490	-			
#HENDERSON	K4DPP	146.970	-	UNCOR		
HIGHLAND HEIGHTS	W4YWH	146.790	-	123.0		☺
HIGHLAND HTS.	K4CO	147.255	+	T123.0		☺
#HODGENVILLE	W4LJM	147.315	+	UNCOR		☺
HOPKINSVILLE	KF4FO	146.710	-			
HOPKINSVILLE	KD4ULE	147.030	+	T103.5		☺
HUEYSVILLE	K4NLT	145.470	-	T79.7		☺
HYDEN	KF4TLT	147.240	+	186.2		☺
IRVINE	W4CMR	146.820	-	192.8		
IRVINE	AD4RT	147.015	+			
JACKSON	WA4MXO	145.410	-			☺
#JONATHAN CREEK	N4SEI	146.985	-	UNCOR		
LARUE	WA4FOB	146.670	-	PROP		
LAWRENCEBURG	N4EQT	145.390	-	T107.2		
LEBANON	WD4JZH	147.345	+	T151.4		
LEBANON JCT.	KD4YGK	147.150	+	79.7		☺
LEESBURG	KC4UPE	145.110	-	T192.8		☺
LEXINGTN/GRGTWN	W8PRH	145.210	-			☺
LEXINGTON	AD4YJ	145.250	-	110.9		
LEXINGTON	WB4CWF	145.490	-			
LEXINGTON	AC4AO	146.730	-			☺
LEXINGTON	K4KJQ	146.760	-			☺
LEXINGTON	WA4HBM	147.165	+			☺
LEXINGTON	KJ4VF	147.195	+			☺
LITCHFIELD	KY4SP	147.225	+	179.9		
LONDON	KE4ZJT	147.180	+	T151.4		☺
LONDON	KC4ZFH	147.285	+	T		
LOUISA	N8QCW	147.390	+	127.3		☺
LOUISVILLE	KG4CCW	145.150	-	141.3		
LOUISVILLE	W8PRH	145.230	-			☺
LOUISVILLE	AC2DC	145.290	-	T151.4		☺
LOUISVILLE	KK4CZ	145.410	-	151.4		
LOUISVILLE	W4PF	146.880	-			
LOUISVILLE	W4PJZ	147.030	+	151.4		☺
#LOUISVILLE	N4MRM	147.070	+	UNCOR		☺
#LOUISVILLE	KA4KMT	147.120	+	UNCOR		
LOUISVILLE	W4CN	147.180	+	88.5		☺
LOUISVILLE	WB4EJK	147.270	+	151.4		
LOUISVILLE	KQ9Z	147.360	+			
LOUISVILLE AREA	N4UL	145.130	-	T151.4		
LYNN GROVE	KA4BLZ	146.895	-	T210.7		
MADISONVILLE	KC4FRA	146.610	-			☺
MARION	KA4FGA	147.285	+	PROP		
MAYSVILLE	KF4BRO	145.470	-	T107.2		☺
MIDDLESBORO	KA4WZX	146.775	-			
MILLARD	KD4RTR	146.745	-	T141.3		☺
#MONTECELLO	WB9SHH	146.395	+	UNCOR		☺
MONTICELLO	KY4JW	145.150	-	100.0		☺
MOREHEAD	KJ4VF	145.130	-	T100.0		☺
MOREHEAD	K4GFY	146.910	-	T123.0		
MT. STERLING	W4JTL	147.330	+	T103.5		
MURRAY	K4MSU	146.940	-	T91.5		☺
NANCY	KA4UHL	146.790	-	T100.0		☺
#NEBO	AA4NI	146.730	-	UNCOR		
OWENSBORO	N4WJS	146.685	-	110.9		☺
OWENSBORO	AD4MU	146.865	-			
OWENSBORO	K4HY	147.210	+	110.9		☺
OWINGSVILLE	N4TLP	147.075	+			
PADUCAH	K4CUW	146.655	-	T		
PADUCAH	K4CUW	146.760	-			
PADUCAH	W4NJA	147.060	+	103.5		☺
PADUCAH	KD4DVI	147.120	+	PROP		☺
PAINTSVILLE	N4KJU	145.270	-	T127.3		☺
PARIS	KE4OOS	147.045	+	PROP		
PAYNEVILLE	K4ULW	146.625	-	T151.4		☺
PHELPS	N4MWA	147.090	+	PROP		☺
PIKEVILLE	AD4BI	145.150	-	107.2		
PIKEVILLE	KM4IV	146.850	-			
PRESTONSBURG	WB4UBY	147.165	+			
PRINCETON	W4KBL	145.230	-	103.5		
PRINCETON	W4KBL	146.670	-			
#PROVIDENCE	N4IUI	147.330	+	UNCOR		
RADCLIFF	AI4HB	145.350	-	173.8		
RADCLIFF	W4BEJ	146.925	-			
RICHMOND	KE4YVD	145.370	-	T192.8		☺
RICHMOND	KG4AEU	146.865	-	192.8		
ROCKFIELD	KG4FEJ	145.450	-	136.5		
ROCKPORT	KD4BOH	145.270	-	77.0		☺
SALEM	KC4VXR	147.315	+			
SALVISA	KF4AWA	146.835	-	T192.8		☺
SALYERSVILLE	KB4SQI	145.190	-	T127.3		
SANDY HOOK	KF4WMM	147.135	+	T107.2		☺
SHELBYVILLE	KE4LR	147.000	+			☺
SO. PORTSMOUTH	KC8FKP	145.390	-	136.5		
SOMERSET	KA4UHL	146.880	-	77.0		☺
SPRINGFIELD	WA4SJH	147.300	+			
ST. CHARLES	KE4AIE	147.270	+			☺
STANTON	N4VOS	145.290	-			
STANTON	W8PRH	146.970	-			☺
TOMPKINSVILLE	KJ4OG	146.775	-			☺
VANCEBURG	AE4SK	146.775	-			☺
VERSAILLES	KF4INN	145.330	-			
WADDY	KS4TO	146.910	-	T107.2		
WALTON	K4CO	147.375	+	123.0		☺
WEST LIBERTY	KG4GQC	145.230	-	107.2		
WILLIAMSBURG	KG4M	147.000	+			
WINCHESTER	KF4CBT	145.430	-	PROP		
WINCHESTER	WB4ASZ	147.120	+			☺
WINCHESTER	KJ4VF	147.195	+	PROP		

220 MHZ

ASHLAND	KC4QK	223.940	-			☺
BUCKHORN LAKE	K4XYZ	224.460	-	PROP		☺
DORTON	WR4AMS	224.520	-			
GARRETT	K4NLT	224.260	-	PROP		☺
HAZARD	WR4AMS	224.820	-			☺
IRVINE	AD4RT	224.940	-			
LANCASTER	KD4RXF	224.560	-			
LAWRENCEBURG	N4EQT	224.900	-	T107.2		
LEXINGTON	AC4AO	224.420	-			☺
LONDON	WR4AMS	224.980	-			☺
LOUISVILLE	KA4MKT	224.300	-			
LYNCH	K4TDO	224.320	-			☺
META	WR4AMS	224.380	-	PROP		
MIDDLESBORO	WM4MD	224.120	-	T82.5		
MOREHEAD	KJ4VF	224.760	-	PROP		
NANCY	KA4UHL	224.100	-	T100.0		☺
PIKEVILLE	WB4F	224.580	-			
PIKEVILLE	KD4DAR	224.620	-			☺
PRESTONSBURG	WR4AMS	224.720	-			☺
SOMERSET	N4AI	224.300	-			☺
SOMERSET	N4AI	224.880	-			☺
STANVILLE	KJ4VF	224.680	-	PROP		
VERSAILLES	AD4CR	224.220	-			

440 MHZ

ALLEN	N4IWZ	444.775	+	T123.0		☺
#ASHLAND	KC8ERN	444.750	+	UNCOR		
ASHLAND	KC4QK	444.975	+	T107.2		☺
BARDSTOWN	KT4GB	443.000	+			☺
BEATTYVILLE	KC4UPE	444.825	+	T192.8		☺
BEAVERLICK	KC4COV	443.475	+	T131.8		
BOWLING GREEN	W4HTB	426.250	+			☺
BOWLING GREEN	W4WSM	444.100	+			☺
BOWLING GREEN	WB4JM	444.700	+	T136.5		☺
BROOKS	KY4KY	443.700	+	151.4		☺
BRUSHY FORK	KF4WMM	444.600	+	88.5		☺
BUCKHORN LAKE	K4XYZ	443.400	+	103.5		☺
BURLINGTON	KD4EVB	443.525	+	T107.2		☺
CANE VALLEY	W4LJM	443.950	+	T		☺
CORBIN	KF4IFC	444.275	+	79.7		☺
CORBIN	WB4IVB	444.900	+	T100.0		
COVINGTON	KC4COV	444.175	+	T131.8		
COX'S CREEK	AE4NU	443.450	+	T151.4		☺
DAVID	KC4KZT	443.900	+	T167.9		☺
DAWSON SPRINGS	KU4MJ	444.275	+			
DORTON	KD4RTR	442.150	+	167.9		☺

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

KENTUCKY REPEATERS CONTINUE

DORTON	KJ4VF	443.250	+		☺
DRY RIDGE	KD4EVB	444.425	+	T107.2	☺
ELIZABETHTOWN	W4BEJ	421.250	+		
ELIZABETHTOWN	W4BEJ	444.800	+		
ELKHORN CITY	KD4RTR	444.300	+	167.9	☺
FALMOUTH	KD4EVB	443.825	+	T107.2	☺
FLATWOODS	KZ4G	443.450	+	PROP	☺
FLORENCE	KC4COV	443.175	+	T131.8	
FORT WRIGHT	KY4JD	441.850	+	T	☺
FORT WRIGHT	KY4JD	442.525	+	T123.0	☺
FOSTER	KU4ML	443.125	+		
FRANKFORT	K4NGQ	442.175	+	T67.0	
FRANKFORT	WA4CMO	443.325	+		
FRANKLIN	KD4TAH	443.225	+		
GARRETT	KF4JJD	442.400	+	79.7	☺
GEORGETOWN	KF4NTQ	443.625	+		
GLASGOW	KY4X	444.925	+		☺
GLASGOW/CVCTY	KF4DC	444.250	+		
GRAEFENBURG	N4HZX	443.550	+		
GRETHEL	KJ4VF	444.525	+		☺
HARLAN	KD4CDX	442.625	+	PROP	
HAWESVILLE	KB4QFL	444.625	+		
HAZARD	K4TDO	443.975	+	103.5	
HENDERSON	KY4K	444.725	+	T203.5	
HIGHLAND HEIGHTS	W4YWH	444.900	+	123.0	☺
HOPKINSVILLE	KE4AIF	444.750	+	T103.5	
HORSECAVE	KF4QZN	444.850	+	PROP	
HUDSON	KY4SP	444.900	+	179.9	
INDEPENDENCE	KB8SBN	444.075	+	T110.9	
IRVINE	W4CMR	442.900	+		
IRVINE	AD4RT	444.000	+		
LATONIA	AA4XV	442.400	+	T	
LAWRENCEBURG	N4EQT	443.925	+	T107.2	
LEWISPORT	K4DC	444.550	+		☺
#LEXINGTON	KY4ATV	923.250	-	UNCOR	☺
LEXINGTON	KD4ADJ	442.050	+		☺
LEXINGTON	KE4OOL	443.025	+	T123.0	
LEXINGTON	KB8QLC	444.125	+	88.5	
LEXINGTON	KC4DUU	444.550	+		☺
LEXINGTON	KE4ISR	444.725	+	T	
LEXINGTON	N4DUE	444.950	+		☺
LOUISVILLE	N4ORL	442.000	+		
LOUISVILLE	KB4RYM	442.500	+		
LOUISVILLE	WD4ELX	442.550	+		☺
LOUISVILLE	KB4YJ	442.725	+	151.4	
LOUISVILLE	WD9EQC	443.500	+		
LOUISVILLE	N4KWT	443.975	+	100.0	
LOUISVILLE	N4UL	444.100	+	173.8	
LOUISVILLE	KG4JNM	444.300	+	156.7	
LOUISVILLE	N4NMC	444.600	+	T151.4	
LOUISVILLE AREA	N4RBL	442.100	+	T	
LOUISVILLE AREA	KD4CLR	442.450	+	T151.4	
LOUISVILLE SW	K4ULW	443.350	+		☺
MADISONVILLE	KC4FIE	442.425	+		☺
MADISONVILLE	AE4LW	442.575	+	T100.0	☺
MADISONVILLE	KC4FIE	442.775	+		☺
MADISONVILLE	KC4FIE	444.600	+		☺
MAMMOTH CAVE	KF4QZN	444.475	+	T179.9	
MANCHESTER	KD4GMH	444.500	+	PROP	
MARION	KR4PF	444.200	+	T100.0	☺
MAYSVILLE	KF4BRO	443.500	+	T123.0	☺
META	WB4UBY	443.500	+		
MIDDLESBORO	WM4MD	442.325	+	T67.0	
MIDDLESBORO	KD4PBC	443.150	+	PROP	
MIDDLESBORO	WB4IVB	444.150	+	T100.0	
MILLARD	KD4RTR	443.425	+		☺
MONTICELLO	WB9SHH	444.750	+		☺
MOREHEAD	K4GFY	442.500	+	T	
MOREHEAD	KJ4VF	443.250	+	PROP	
MORGANTOWN	KF4QZN	444.425	+	T179.9	
MT STERLING	KD4ADJ	442.600	+		☺
MURRAY	K4MSU	443.800	+	T91.5	☺
NANCY	KA4UHL	443.600	+	T100.0	☺
NEBO	AA4NI	444.850	+		
NICHOLASVILLE	KC4UPE	444.775	+	T167.9	☺
NICHOLASVILLE	WB4CWF	444.975	+		
OLIVE HILL	KO4LI	444.925	+		
OWENSBORO	N4WJS	443.100	+	T110.9	☺
OWENSBORO	N4WJS	443.650	+	110.9	☺
PADUCAH	KD4DVI	443.000	+	179.9	☺
PAINTSVILLE	N4KJU	441.525	+	127.3	☺
PHELPS	N4MVY	444.575	+		☺
PIKEVILLE	KD4RTR	444.200	+		☺
PIKEVILLE	KD4DAR	444.375	+		☺
PIKEVILLE	AD4BI	444.475	+		
PRESTONSBURG	K4AVY	443.825	+	127.3	☺
RICHMOND	KE4ISW	444.625	+	192.8	☺
RINEYVILLE	KF4RBD	444.225	+	PROP	
ROBINSON CREEK	KC4VYX	444.675	+		
ROCKPORT	KD4BOH	442.675	+	77.0	☺
ROCKPORT	KD4BOH	444.075	+	T77.0	☺
RUSSELLVILLE	KE4SZK	442.350	+	136.5	
SALEM	KC4VXR	444.825	+	T100.0	
SALVISA	KF4AWA	444.675	+	T203.5	☺
SALVISA	KC4UPE	444.875	+	T167.9	☺
SALYERSVILLE	KE4NLL	444.050	+	T127.3	
SHELBYVILLE	KE4YRE	442.375	+		
SHEPHERDSVILLE	AC4VV	444.400	+	T	☺
SIMPSONVILLE	KO4OT	444.450	+	T100.0	☺
SPRINGFIELD	WA4SJH	444.600	+		
STANTON	N4VOS	442.075	+		
UNION	AD4CC	441.800	+	T179.9	☺
VERSAILLES	KF4INN	443.775	+		
WADDY	KS4TO	443.225	+		
WALTON	K4CO	444.350	+	123.0	☺
WAYNESBURG	AG4TY	442.975	+	PROP	
WHITESBURG	KK4WH	443.750	+	PROP	
WILLIAMSBURG	KB4PTJ	444.050	+	100.0	☺
WITHAMSVILLE	KC4COV	444.400	+	T131.8	

900 MHZ

LEXINGTON	KA4MKG	927.725	-	PROP	

MISSISSIPPI

10 METERS

BAY SAINT LOUIS	KB5MPW	29.640	-	T136.5	☺

6 METERS

BAY SAINT LOUIS	KB5MPW	53.650	-	T136.5	☺
ELLISVILLE	N5EKR	53.010	-	T	
JACKSON	W5PFC	53.470	-	PROP	
LAUREL	KC5PIA	53.450	-		☺
NETTLETON	AB5MU	53.050	-	192.8	

2 METERS

#ABBEVILLE	WB5VYH	145.470	-	UNCOR	
ABERDEEN	WB5USN	147.270	+	210.7	☺
ACKERMAN	NO5N	147.120	+		
AMORY	KB5DWX	146.940	-	T192.8	
AMORY	KB5DSN	147.090	+		
BAY ST. LOUIS	KB5MPW	146.700	-		☺
BILOXI	KC5IF	146.730	-		
BILOXI	K5TYP	146.790	-		
BOONEVILLE	K5YD	145.190	-	110.9	☺
BOONEVILLE	KI5WI	147.150	+		☺
BUDE	KD5QNC	146.850	-	T103.5	☺
BYHALIA	N4DRL	145.350	-		☺
CHATAWA	WB5GOJ	145.310	-		
CLEVELAND	KD5YTB	146.775	-	T107.2	
CLEVELAND	N5LRL	147.285	+	PROP	
COLLINS	N5LRQ	146.985	-	T136.5	☺
COLUMBIA	N5LJC	147.285	+	PROP	
COLUMBUS	KC5ULN	146.625	-		☺
COLUMBUS	KC5ULN	147.000	+		☺
CORINTH	WB5CON	146.925	-	T107.2	☺
CORINTH	K5UFH	147.000	-		
CORINTH	K5WHB	147.285	+		☺
ELLISVILLE	W5NRU	145.230	-	PROP	
ELLISVILLE	N5EKR	146.955	-	T	
ELLISVILLE	W5NRU	146.865	+	T136.5	☺
ELLISVILLE	W5NRU	146.895	+	T136.5	☺
FLORENCE	KD5AXY	145.110	-	T	
FOREST	KC5QHP	147.390	+	T100.0	☺
#FRENCH CAMP	W5BJT	147.225	+	UNCOR	☺
FULTON	WX5P	145.450	-		☺
GLOSTER	KX5E	145.430	-	T136.5	
GREENVILLE	KG5SF	147.345	+		
GREENWOOD	KA5TQY	146.715	-		
GRENADA	W5LV	146.700	-		☺
GULFPORT	KA5VFU	147.375	+		☺
HATTIESBURG	W5CJR	145.190	-	T136.5	☺
HATTIESBURG	K5IJX	145.370	-	136.5	
HATTIESBURG	K5PN	146.775	-	T136.5	☺
HATTIESBURG	KD5MIS	147.315	+	T136.5	
HATTIESBURG	W5CJR	147.360	+		☺
HERNANDO	K5VV	146.910	-		
HERNANDO	KD5VMV	147.225	+	PROP	
ISOLA	KC5OB	146.955	-		
IUKA	WB5MFK	146.850	-		
JACKSON	KB5KGE	145.390	-		
JACKSON	W5AXQ	146.760	-		☺
JACKSON	K5QNE	146.880	-	T100.0	☺
JACKSON	KA5SBK	146.940	-	100.0	☺
JACKSON	W5IQ	147.000	+	T	☺
JACKSON	NC5Y	147.075	+	T	
KILN	K5DMC	145.330	-		
KOSCIUSKO	W5LWC	146.850	-		
LAUREL	W5LAR	146.610	-		☺
LAUREL	WV5D	147.030	-	T	
LAUREL	KC5RC	147.255	+		
LOUISVILLE	KC5QGC	147.360	+		
LUCEDALE	WA5JZL	146.910	-		
MADISON	K5XU	146.640	-		☺
MAGEE	KA5LNY	146.820	-	100.0	
MAGEE	KA5LNY	147.300	+		
MCCOMB	KD5QNC	146.940	-	T	☺
MERIDIAN	KC5ZZH	146.655	-		☺
MERIDIAN	W5FQ	146.700	-		☺
MERIDIAN	KI5FW	146.970	-	100.0	☺
MONTICELLO	N5JHK	147.015	+		
MOOREVILLE	WB5NAY	146.640	-		
MORTON	KB5LCL	147.045	+	T141.3	
NATCHEZ	W5KHB	146.685	-	100.0	
NATCHEZ	K5OCM	146.910	-	91.5	
NATCHEZ	K5SVC	147.360	+	100.0	☺
#NEW ALBANY	KC5VZI	145.230	-	UNCOR	
NEW ALBANY	W5UBG	146.670	-		
#NEW ALBANY	KC5VZI	146.745	-	UNCOR	
NEW HEBRON	N5MRS	147.090	+	T	
OCEAN SPRINGS	W5LDD	147.030	+		☺
PASCAGOULA	KE5SJ	146.880	-		
PASCAGOULA	N5PH	146.970	-	T	
PEARL/RANKIN CO	KF5IZ	147.150	+	T88.5	
PELAHATCHIE	W5PPB	147.240	+	T77.0	☺
PHILADELPHIA	N5EPP	147.330	+		
PICAYUNE	KE5LT	145.150	-		☺
PONTOTOC	WB5NAY	147.380	+		
PORT GIBSON	KE5WO	146.625	-		
PURVIS	KB5ZCX	146.670	-		
RAYMOND	W5JWX	145.170	-	T77.0	
RICHTON	N5OCF	147.060	+	T	
SENATOBIA	KB5DMT	146.985	-	T107.2	☺
SHARON	W5PPB	145.450	-	T77.0	☺
SILVER CREEK	KC5YUX	147.195	+	T136.5	
SOUTHAVEN	N5PYQ	145.370	-	T107.2	
STARKVILLE	KD5GVU	146.730	-	210.7	☺
STARKVILLE	KF5C	146.805	-	192.8	
#SUMNER	WB5FXH	147.090	+	UNCOR	
TUPELO	N5VGK	145.490	-		
TUPELO	N5ELS	147.240	+		
UNION	N5SPJ	147.210	+	T100.0	
UTICA	N5ZMZ	145.350	-		
UTICA	KC5TGT	146.730	-	T77.0	☺
UTICA	N5ZMZ	147.345	+		
VANCLEAVE	W5WA	145.110	-	123.0	☺
#VANCLEAVE	KE5TL	147.000	-	UNCOR	
VICKSBURG	WJ5L	145.290	-		
#VICKSBURG	K5IMT	146.805	-	UNCOR	
VICKSBURG	K5ZRO	147.270	+	T100.0	☺
VOSSBURG	KB5UIX	147.135	+	136.5	
WALLS	N5NBG	145.270	-	T162.2	
WATER VALLEY	N5DXM	147.000	-		
#WAYNESBORO	W5SAR	145.210	-	UNCOR	☺
WAYNESBORO	W5SAR	147.105	+		☺
WAYNESBORO	N5DWU	147.315	+		
WEST POINT	KC5LIO	147.180	+		
WIGGINS	KB5DZJ	145.270	-	T136.5	☺
WINONA	N5EYM	146.970	-	110.9	

220 MHZ

BYHALIA	N4DRL	224.500	-		☺
VICKSBURG	WB5OWY	224.780	-		
WARSAW	N4DRL	224.880	-		☺

440 MHZ

ABERDEEN	KD5AHI	444.450	+	210.7	☺
AMORY	KB5DSN	444.825	+		
BYHALIA	N4DRL	444.300	+		☺
CLERMONT HARBR	WD5BJT	444.150	+	T77.0	
CLINTON	W5PFR	444.000	+	T100.0	☺
ELLISVILLE	AA5SG	442.200	+	T167.9	☺
ELLISVILLE	AA5SG	442.250	+	T136.5	☺
GAUTIER	KA5NOJ	426.250	+		
GAUTIER	KA5NOJ	911.250	-		
GAUTIER	KC5LCW	443.450	+	123.0	☺
GLOSTER	N5ZNS	443.825	+		
GREENVILLE	N5PS	444.675	+	100.0	
GRENADA	AD5IT	444.700	+	T107.2	
HATTIESBURG	K5PN	443.700	+	T136.5	☺
HAZLEHURST	N5ZDF	443.950	+	T100.0	
HEIDELBERG	KC5RC	444.300	+	T100.0	
HICKORY FLAT	W4ZCD	444.725	+	T179.9	
INDIANOLA	AB5DU	444.850	+	136.5	
JACKSON	KB5LCL	444.450	+	T141.3	
JACKSON	KB5CO	444.600	+	T100.0	☺
JACKSON	NC5Y	444.700	+		
JACKSON	KB5CO	444.800	+		
JACKSON, EAST	AA5RZ	443.625	+		
LAUREL	W5NRU	443.650	+	T100.0	
MCCOMB	N5HTQ	444.875	+	T100.0	
MERIDIAN	KB5BRZ	444.100	+	131.8	☺
MERIDIAN	W5LRG	444.500	+	107.2	☺
NATCHEZ	N5IAT	443.800	+		
NETTLETON	AB5MU	444.625	+	192.8	
NEW ALBANY	WB5YCR	444.150	+		
NEW HEBRON	N5NNI	444.525	+	T	
O'REILLY	N5PS	444.975	+	T100.0	
PEARL	KB5HAV	444.375	+	T88.5	
PETAL	W5CJR	443.350	+	T	☺
PHILADELPHIA	WB5YGI	444.950	+		
PICAYUNE	KE5LT	443.725	+	T179.9	☺
PINOLA	KC5LXF	444.850	+		
PORT GIBSON	KC5CLM	444.575	+	T141.3	☺
RICHTON	N5OCF	444.625	+		
RIDGELAND	N5WDG	443.700	+	T77.0	☺
SOUTHAVEN	NU5O	443.575	+	77.0	
SOUTHAVEN	N5PYQ	444.925	+	T107.2	
STARKVILLE	KD5GVU	444.750	+		☺
STENNIS SPC CEN	WB4FUR	444.650	+		
TUPELO	N5VGK	444.950	+	T192.8	
VICKSBURG	WB5TTE	444.925	+		
VOSSBURG	N5LRQ	442.725	+	T167.9	☺

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq) # and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

MISSISSIPPI REPEATERS CONTINUE

WALLS	N5NBG	444.650	+		
WAYNESBORO	W5SAR	443.500	+		
WAYNESBORO	W5SAR	443.550	+		
WEST POINT	N5WXD	443.450	+		
WIGGINS	KB5DZJ	443.300	+	167.9	

NORTH CAROLINA

10 METERS

HIGH POINT	KE4QOX	29.640	-	T103.5	
NEWPORT	K4GRW	29.660	-	PROP	
ROCKY MOUNT	N4JEH	29.660	-		
THOMASVILLE	WW4DC	29.680	-	88.5	
WILKESBORO	KC4XE	29.620	-		
ZEBULON	WB4IUY	29.620	-		

6 METERS

AIR BELLOWS GAP	WA4PXV	53.750	-		
ASHEVILLE	WD4BQW	53.270	-		
BOONE	WA4NC	53.790	-	PROP	
CHAPEL HILL	W4UNC	53.450	-	T107.2	
CLINTON	W4TLP	53.330	-		
DURHAM	W4BAD	53.750	-		
EFLAND	WA1YYN	53.410	-	T107.2	
#FAYETTEVILLE	W4EBM	53.810	-	UNCOR	
GASTONIA	KC4YOT	53.110	-		
HENDERSONVILLE	W4FOT	53.130	-	T100.0	
KVILLE/HIPOINT	KF4QDS	53.590	-	T103.5	
LUMBERTON	KD4BGD	53.110	-		
MONROE	W4ZO	53.370	-	T100.0	
MT MITCHELL	AB4JJ	53.630	-	T100.0	
MT. AIRY	N4DAJ	53.970	-	T100.0	
MT.AIRY/FANCY GP	KD4FWS	53.070	-	T100.0	
PITTSBORO	KD4JFN	53.230	-	T107.2	
RALEIGH	K4ITL	53.030	-		
RALEIGH	W4BAD	53.190	-		
REELSBORO	KF4IXW	53.090	-	T162.2	
ROBBINSVILLE	KD4YWB	53.710	-	T167.9	
ROCKY MOUNT	N4JEH	53.050	-		
SAURATOWN MT	N4QLX	53.210	-		
SOPHIA/RANDLEMAN	WR4BEG	53.350	-		
SPRUCE PINE	WA4PXV	53.050	-	T151.4	
TARBORO	K4SER	53.110	-		
THOMASVILLE	KE4QOX	53.010	-	T88.5	
THOMASVILLE	WW4DC	53.170	-	88.5	
WEST JEFFERSON	AB4JJ	53.310	-	T100.0	
WEST JEFFERSON	AB4JJ	53.390	-	T100.0	
WILLIAMSTON	K4SER	53.310	-		
#WILMINGTON	AD4DN	53.430	-	UNCOR	
YOUNGSVILLE	KD4MYE	53.370	-	T	

2 METERS

#AHOSKIE	WB4YNF	145.130	-	UNCOR	
AHOSKIE	WA4ZGQ	146.910	-	T131.8	
ALBEMARLE	K4OGB	146.985	-	T100.0	
ANDRWS/ROBNSVL	K4AIH	147.045	-	151.4	
ANDSN MT/DENVER	K4CCR	145.170	-	88.5	
ASHEBORO	K4ITL	145.270	-	T82.5	
ASHEVILLE	WB4PLA	146.835	-		
ASHVL/MT PISGAH	WA4BVW	146.760	-		
ASHVL/SPIVEY MT	W4MOE	146.910	-	91.5	
BAKERSVILLE	W4NGH	145.310	-		
BENSON	KD4BJD	146.970	-		
BETHEL	KD4EAD	147.375	+	T151.4	
BEULAVILLE	N4VBH	145.230	-		
BOONE/RICH MTN	WA4J	147.360	+	T103.5	
BREVARD	K4HXZ	147.135	+		
BURGAW	K4CTY	146.940	-		
BURLINGTON	K4FHB	146.670	-		
BURNSVILLE	KD4WAR	146.955	-		
BURNSVILLE	KD4WAR	147.375	+		
BUTNER	WA4IZG	146.940	-	T156.7	
BUXTON	K4USB	146.625	-	131.8	
CANTON	W4DJB	146.805	+		
CARTHAGE	KG4BOS	147.240	+		
CHAPEL HILL	W4UNC	145.230	-	T107.2	
CHAPEL HILL	K4ITL	147.135	+	T82.5	
CHARLOTTE	W4BFB	145.230	-		
CHARLOTTE	W4BFB	145.290	-		
CHARLOTTE	WA4AOS	145.350	-		
CHARLOTTE	W4BFB	146.940	-		
CHARLOTTE	W4CQ	147.060	-		
CHARLOTTE	W4CQ	147.270	+		
CHERRY MTN	KG4JIA	147.240	+	94.8	
CHINA GROVE	N4XO	145.410	-	136.5	
CLAREMONT	WB4SRV	147.225	+	T162.2	
CLAYTON	WB4IUY	147.390	+	T88.5	
CLINTON	W4TLP	146.790	-		
COINJOCK	WN3X	145.290	-	131.8	
COLUMBIA	KB4TOH	146.835	-	T131.8	
CONCORD/KANNAP.	K4CEB	146.655	-		
DOBSON	AD4T	146.925	-	T100.0	
DUNN	N4CID	146.700	-		
DURHAM	WR4AGC	145.450	-		
DURHAM	K4JPE	146.985	-	T156.7	
DURHAM	WD4LDB	147.360	+	136.5	
EDEN/STONEVILLE	WA4QBG	147.390	+		
EFLAND	WA1YYN	147.180	+	T156.7	
ELIZABETH CITY	KC4QLP	145.250	-	T131.8	
ELIZABETH CITY	WA4VTX	146.655	-	131.8	
ELM CITY	K2IMO	145.150	-	T88.5	
EMERALD ISLE	KI4RK	145.330	-	PROP	
FARMVILLE	K4ROK	145.270	-	T131.8	
FAYETTEVILLE	WA4FLR	147.330	+		
FAYVLLE/CFARS	K4MN	146.910	-	100	
FOREST CITY	K4OI	146.670	-	T114.8	
FRANKLIN	NT4K	145.490	-		
FRANKLIN	W4GHZ	147.240	+	T151.4	
GASTONIA	WD4LCF	145.450	-	T	
GASTONIA/CRWDR	K4GNC	146.805	-		
GASTONIA/SPCR MT	N4GAS	147.120	+		
GIBSONVILLE	WB4IKY	145.490	-	T107.2	
GOLDSBORO	KI4RK	145.330	-	100.0	
GOLDSBORO	K4CYP	146.850	-	T	
GRAHAM	K4GWH	147.375	+	T114.8	
GREENSBORO	W4GSO	145.150	-	100.0	
GREENSBORO	W4GG	145.250	-	T88.5	
GREENSBORO	K4GWH	146.760	-	T156.7	
GREENSBORO	KG4BTN	147.030	+	T131.8	
GREENSBORO	W4BUZ	147.210	+		
GREENVILLE	WD4JPQ	145.350	-	T131.8	
GREENVL/ESTN NC	W4GDF	147.090	+		
GRIFTON	W4NBR	146.685	-	88.5	
HATTERAS ISLAND	K4OBX	145.150	-	T131.8	
HAW RIVER	KD4JFN	146.715	-	T107.2	
HENDERSONVILLE	WB4YAO	146.640	-	T91.5	
HENDERSONVILLE	WA4KNI	147.105	+		
HENDSVL/BERWLW	WA4KNI	145.270	-		
HENDSVL/PENIC	WA4KNI	147.255	+		
HICKORY	KF4LUC	145.490	-	T94.8	
HICKORY/BRT. MT	WA4DSZ	146.850	-		
HIGH PEAK MTN	K4OLC	145.210	-	94.8	
HIGH POINT	NC4AR	145.290	-	T88.5	
HIGH POINT	W4UA	147.165	+		
HILLSBOROUGH	WR4AGC	147.225	+		
HOLDEN BEACH	W4ZU	146.775	-	T100.0	
#HOPE MILLS	W4KMU	146.835	+	UNCOR	
JACKSONVILLE	KA4SQN	145.190	-		
JACKSONVILLE	WD4FVO	147.000	-		
JEFFERSON	W4YSB	147.300	+	T103.5	
KANNAPOLIS	N4JEX	147.300	+	T136.5	
KILL DEVIL HILLS	W4PCN	145.110	-	T131.8	
KINSTON	W4OIX	145.470	-	T88.5	
LAURINBURG	KI4RR	146.625	-		
#LENOIR	N4NIN	147.195	+	UNCOR	
LENOIR/HIBRITN	KN4K	147.330	+	T141.3	
LEVEL CROSS	K4ITL	147.255	+	T82.5	
#LEXINGTON	N4LEX	145.310	-	UNCOR	
LEXINGTON	W4PAR	146.910	-	T107.2	
LILLINGTON	K4ITL	147.105	+	T82.5	
LINCOLNTON	NC4LC	147.015	+	141.3	
LOCUST	WA4CHZ	147.390	+	T100.0	
#LUMBERTON	W4LBT	145.150	-	UNCOR	
LUMBERTON	W4NHV	147.045	+		
LUMBERTON	KD4PBK	147.165	+	T88.5	
LUMBERTON	W4PET	147.360	+		
MACO	KB4BR	147.060	+	T	
MADISON	WA4IXW	147.345	+	T103.5	
MARION	WD4PVE	146.985	-	118.8	
MILLERS CREEK	N4GGN	146.715	-	94.8	
MONROE/UCARS	NC4UC	145.390	-	T94.8	
MORGANTON	KC4QPR	146.745	-	94.8	
MORGANTON	K4VLY	147.150	+		
MOUNT AIRY	N4VRD	145.330	-	T100.0	
MT MITCHELL	WA4BVW	145.190	-		
MT. AIRY	N4VL	145.130	-	T103.5	
#MURPHY/STALCUP	N4WCO	146.865	+	UNCOR	
N. WILKESBORO	W4HF	145.370	-	T94.8	
NASHVILLE	WA4WPD	145.290	-	T107.2	
NEW BERN	W4EWN	146.610	-	T100.0	
#NEWPORT	K4GRW	145.450	-	UNCOR	
NEWTON	K4CCR	147.075	+	T88.5	
ORIENTAL	W4SLH	147.210	+	T151.4	
PITTSBORO	KD4JFN	147.075	+	T146.2	
RAEFORD	KU4W	145.430	-	100.0	
RALEIGH	W4RNC	145.130	-	T82.5	
RALEIGH	K4GWH	145.190	-	T156.7	
RALEIGH	WB4TQD	145.390	-	T82.5	
RALEIGH	W4BWC	145.490	-	T82.5	
RALEIGH	WB4TOP	146.610	-	T131.8	
RALEIGH	W4DW	146.640	-		
RALEIGH	W4BWC	146.730	-	T82.5	
#RALEIGH	KD4RAA	146.775	-	UNCOR	
RALEIGH	WB4TQD	146.880	-		
RALEIGH	W4BAD	147.015	+	T88.5	
RALEIGH	KO4CW	147.195	+	T88.5	
RALEIGH/BENSON	AK4H	147.270	+		
#RED SPRINGS	W4MZP	147.300	+	UNCOR	
REIDSVILLE	N4IV	146.850	-	T103.5	
ROANOKE RAPIDS	N4WFU	146.745	-	T131.8	
ROANOKE RAPIDS	KB4DJT	147.030	+		
ROANOKE RAPIDS	K4ITL	147.150	+	T82.5	
ROBBINSVILLE	N4GSM	145.110	-	T151.4	
ROCKINGHAM	K4RNC	146.955	-		
ROCKY MOUNT	W4DCG	146.805	-	T118.8	
ROCKY MOUNT	WN4Z	147.120	+	T131.8	
ROLESVILLE	KF4HFQ	147.315	+	T88.5	
ROSEBORO	K4ITL	145.310	-		
SALISBURY	W4EXU	146.730	-	T94.8	
SALISBURY	KG4WAD	146.775	-	T94.8	
SAURATOWN MT	W4NC	145.470	-	T100.0	
SAURATOWN MT	KG4ASL	146.790	-	T107.2	
SAURATOWN MT	K4MPJ	147.315	+	T100.0	
SHALLOTTE	K4PPD	145.370	-	118.8	
SHALLOTTE	K4PPD	147.315	+	T118.8	
#SHALLOTTE	K4PPD	147.390	+	UNCOR	
SHELBY	W4NYR	146.880	-		
SHELBY	W4NYR	147.345	+		
SPARTA/GREEN MT	K4QFQ	145.430	-		
STAR/BISCOE	KI4DH	147.090	+	100.0	
STATESVILLE	W4SNC	146.685	-		
SWANSBORO	KB2XI	146.760	-		
SYLVA	KF4DTL	147.345	+	151.4	
THOMASVILLE	KF4QDS	146.610	-	T123.0	
THOMASVILLE	KB4BPV	146.835	+	T88.5	
THOMASVILLE	WW4DC	147.000	+	T88.5	
TRENTON	WB4TQD	145.210	-		
TRYON	KF4JVI	145.330	-		
TRYON	W4RCW	147.285	+		
WADESBORO	W4USH	146.835	-		
WANCHESE	W4ACY	146.940	-	T131.8	
WASHINGTON	WA4TEP	147.345	+		
WAXHAW	WA4ZRS	146.865	+	T94.8	
WAYNESVILLE	N4SM	147.270	+		
WAYNESVILLE	N4DTR	147.390	+		
WHITEVILLE	W4NTQ	147.210	+		
WILKESBORO	WB4PZA	146.820	-	94.8	
WILLIAMSTON	K4SER	145.410	-	T131.8	
WILMINGTON	N4JDW	145.170	-	T88.5	
WILMINGTON	AD4DN	146.670	-	T88.5	
WILMINGTON	N4ILM	146.730	-		
WILMINGTON	K4GMP	146.820	-	T88.5	
WILMINGTON	WA4US	147.135	+	T67.0	
WILMINGTON	AC4RC	147.180	+	T88.5	
WILSON	WB4THL	146.760	-	131.8	
WINSTON-SALEM	W4NC	146.640	-	T100.0	
YADKINVILLE	N4YSB	147.015	-		
YOUNGSVILLE	KD4MYE	145.110	-	88.5	

220 MHZ

ANDRWS/ROBINSVL	K4AIH	224.880	-		
ASHEVILLE	KD4CJG	224.520	-	T91.5	
ASHEVILLE	WB4PLA	224.600	-		
ASHVL/MT PISGAH	WA4BVW	224.260	-		
BANNER ELK	WA4NC	224.840	-	PROP	
BARIUM SPRINGS	WA4WRS	224.300	-		
BIG KNB/MARS HIL	KE4RQL	224.660	-	100.0	
#BIG PHOENIX MTN	KC4KUL	224.600	-	UNCOR	
BURNSVILLE	KD4WAR	224.740	-		
CANTON	N4DWU	224.820	-		
CARY	W4JYV	224.880	-	T88.5	
CHAPEL HILL	K4ITL	224.120	-	PROP	
CHARLOTTE	W4BFB	224.400	-		
CHERRY MTN	KG4JIA	224.640	-	PROP	
CHERRYVILLE	KC4ZTJ	224.960	-		
CLEMMONS	WB9SZL	224.700	-	T100.0	
DUNCAN	KM4TC	224.700	-	T88.5	
EDEN	N4IV	224.780	-	T103.5	
EFLAND	WA1YYN	224.660	-	T107.2	
GASTONIA	KC4IRA	224.620	-	T127.3	
GREENSBORO	WB4GUG	224.440	-	T107.2	
GREENSBORO	N4QVI	224.960	-		
GRIFTON	WA4DAN	224.840	-		
GRIMESLAND	WB4PAC	224.360	-		
HAW RIVER	KD4JFN	224.620	-	T107.2	
HENDERSONVILLE	N4UQS	224.960	-		
HENDSVL/BERWLW	WA4KNI	224.240	-		
HILLSBOROUGH	WR4AGC	224.260	-		
JACKSONVILLE	KA4SQN	224.320	-		
KERNERSVILLE	KF4IXK	224.820	-	T107.2	
KVILLE/HIPOINT	KE4QOX	224.240	-	T107.2	
LENOIR/HIBRITN	KN4K	224.160	-		
LOCUST	KC4FWC	224.480	-		
MARSHALL	KF4ZDS	224.360	-		
MT MITCHELL	WA4BVW	224.540	-		
PLYMOUTH	KB7BTU	224.760	-	T131.8	
RALEIGH	K4ITL	224.160	-		
RALEIGH	W4RNC	224.640	-		
ROBBINSVILLE	N4GSM	223.940	-		
ROCKY MOUNT	NF4C	224.220	-		
ROCKY MOUNT	KR4AA	224.580	-		
SALISBURY	W4EXU	224.760	-		
SHELBY	W4NYR	224.060	-		
SHELBY	KC4ZTJ	224.460	-		
SOPHIS/RANDLEMAN	WR4BEG	224.140	-	T	
THOMASVILLE	WW4DC	224.340	-	T88.5	
TRENTON	WA4DAN	224.720	-		
WILMINGTON	WA4US	224.200	-	T	
WILMINGTON	AD4DN	224.500	-	T88.5	
WILMINGTON	WB4KPF	224.680	-		

440 MHZ

#AHOSKIE	WB4YNF	444.200	+	UNCOR	
AIR BELLOWS GAP	WA4PXV	443.575	+		
ANDRWS/ROBINSVL	WD4NWV	442.600	+	T151.4	
ANDRWS/ROBINSVL	K4AIH	443.650	+		
ANDSN MT/DENVER	K4CCR	444.075	+	88.5	

N. CAROLINA REPEATERS CONTINUE

APEX	KD4PBS	442.075	+	T114.8	☺
ARCHDALE	KI4ASR	442.775	+	PROP	
ASHEBORO	KE4QAP	444.975	+		
ASHEVILLE	WA4TOG	442.550	+		☺
ASHEVILLE	KD4GEU	442.650	+		
ASHEVILLE	KF4TLA	443.275	+	T103.5	☺
AUBURN	N4ZCM	442.275	+		
BENSON	K4JDR	444.550	+	PROP	☺
#BLADENBORO	KC4FWC	444.725	+	UNCOR	☺
#BLADENBORO	KC4FWC	444.725	+	UNCOR	☺
BOONE/RICH MT	KC4FWC	444.575	+	T77.0	☺
BREVARD	AG4AZ	442.850	+		☺
BRYSON CITY	N0SU	443.400	+	T151.4	☺
BUIES CREEK	NC4BJ	444.275	+	PROP	☺
BURGAW	N4JDW	444.075	+	PROP	
BURLINGTON	K4EG	443.600	+	T123.0	
BURNSVILLE	KD4WAR	443.650	+		
CANTON	KE4UIU	443.475	+	T156.7	
CARY	K4JDR	444.775	+	T100.0	☺
CASTALIA	N4JEH	444.975	+	T107.2	☺
CHAPEL HILL	W4UNC	442.150	+	T131.8	☺
CHAPEL HILL	W4UNC	443.475	+	T131.8	☺
CHARLOTTE	N4IBM	442.650	+	88.5	☺
CHARLOTTE	KD4OWV	443.950	+		
CHARLOTTE	K4KAY	444.350	+	T118.8	☺
CHARLOTTE	W4CQ	444.450	+		☺
CHARLOTTE	W4BFB	444.600	+	T100.0	☺
CHARLOTTE	W4WBT	444.675	+		
CHARLOTTE	W4CQ	444.850	+		☺
CHARLOTTE	WA1WXL	444.950	+	T136.5	☺
CHERRY MTN	KG4JIA	442.500	+	94.8	☺
CHINA GROVE	N4JEX	443.250	+	T136.5	☺
CLAREMONT	WB4SRV	443.775	+	T118.8	
#CLAYTON	K4JDR	444.150	+	UNCOR	☺
COLUMBIA	KB4TOH	443.300	+	131.8	☺
COLUMBUS	K4JLA	442.075	+	T103.5	☺
CONCORD	N2QJI	442.525	+	PROP	☺
CRAB CREEK TWP	KB4PQA	443.125	+		
CROWDER'S MT	KD4FRP	443.675	+		
DALLAS CHLT	KC4YOZ	443.850	+	T100.0	
DURHAM	WR4AGC	444.100	+		
DURHAM	W4BAD	444.575	+	T88.5	
DURHAM	KB4WGA	444.925	+	T100.0	☺
EFLAND	WA1YYN	442.050	+	T107.2	☺
ELIZABETH CITY	WA4VTX	444.300	+	131.8	☺
ELM CITY	K2IMO	442.325	+	PROP	
FAYETTEVILLE	K4MN	444.400	+	100HZ	☺
FOREST CITY	AI4M	443.300	+	T114.8	☺
FOUNTAIN	N4HAJ	444.425	+	T88.5	☺
FRANKLIN	N4DTR	444.375	+	T131.8	
GASTONIA	KC4YOT	442.700	+	PROP	☺
GASTONIA	KG4LWG	442.775	+	T123.0	
GASTONIA	NC4GC	444.750	+	T	☺
GASTONIA/CRWDR	KC4ZTI	443.750	+		
GASTONIA/CRWDR	AG4EI	444.150	+	T	☺
GASTONIA/SPCR MT	N4GAS	444.550	+		☺
GIBSONVILLE	WB4IKY	443.025	+	T107.2	
GIBSONVILLE	WB4IKY	444.350	+	T107.2	
GOLDSBORO	KI4RK	443.000	+	T100.0	☺
GRAHAM	K4GWH	443.725	+	T156.7	☺
GRANTSBORO	KR4LO	444.350	+		
GREENSBORO	KG4BTN	441.975	+	PROP	
GREENSBORO	W4GSO	442.875	+	T88.5	☺
GREENSBORO	KG4BTN	443.650	+	88.5	
GREENSBORO	K4GWH	444.225	+	T146.2	☺
GREENSBORO	KG4BTN	444.475	+	107.2	
GREENSBORO	KF4DWV	444.950	+	T100.0	☺
GREENVILLE	WB4PMQ	444.800	+	T131.8	☺
HATTERAS ISLAND	K4OBX	444.925	+	T131.8	☺
HAW RIVER	KD4JFN	443.775	+	T107.2	☺
HENDERSON	KG4IWI	442.125	+	T88.5	☺
HENDERSON	KB4WGA	444.375	+	T100.0	☺
HENDERSONVILLE	WA4TOG	442.450	+		☺
HENDSVL/BERWLW	WA4KNI	444.250	+		
HICKORY	WA4PXV	442.375	+		
HICKORY	K4JEQ	444.000	+		
HICKORY	KF4LUC	444.800	+	T94.8	☺
HIGH POINT	W4UA	443.900	+		☺
HIGH POINT	KD4JFN	444.025	+	T107.2	☺
HILLSBOROUGH	WA1YYN	443.950	+	PROP	☺
HILLSBOROUGH	WR4AGC	444.450	+	T100.0	
HOLLY SPRINGS	KF4AUF	444.325	+	T100.0	☺
HUNTERSVILLE	W8EMX	443.225	+	PROP	☺
#JACKSONVILLE	KE4JDP	444.675	+	UNCOR	
KANNAPOLIS	N4JEX	443.350	+	T136.5	☺
KERNERSVILLE	KF4DAR	442.975	+	T107.2	
KERNERSVILLE	KF4IXK	443.325	+	T131.8	
#KING/SAURATOWN	KE4QEA	444.200	+	UNCOR	☺
KINSTON	N4HAJ	442.000	+	PROP	☺
KINSTON	N4HAJ	444.575	+	T88.5	☺
KVILLE/H POINT	KE4QOX	443.700	+	T103.5	☺
LAKE GASTON	KF5TU	442.350	+	T100.HZ	☺
#LAURINBURG	KC4FWC	443.825	+	UNCOR	☺
LENOIR/CAJAH MT	N4EUX	443.525	+		☺
LEVEL CROSS	K4ITL	442.825	+	T82.5	☺
LEXINGTON	KO0NTZ	442.275	+	T146.2	☺
#LEXINGTON	K4AE	442.425	+	UNCOR	☺
LEXINGTON	K4CH	442.925	+	T107.2	☺
LEXINGTON	W4PAR	444.500	+	T	☺
LILLINGTON	W4FBC	444.175	+	PROP	
LINCOLNTON	WA4YGD	442.350	+		☺
LINVILLE	KC4UBR	442.175	+	T136.5	
LOCUST	WA4LBT	443.700	+		
LOUISBURG	N4EWS	444.250	+	88.5	
#LOUISBURG	KD4RAA	444.875	+	UNCOR	☺
LUMBERTON	WB4DVN	444.625	+		
LUMBERTON	KD4BGD	444.700	+	T114.8	☺
MAYODAN	WA4WGY	443.975	+		
MCLEANSVILLE	WB4GUG	444.125	+	T	
MIDDLESEX	NE4J	444.650	+	T179.9	
MONROE	W4ZO	444.300	+	T100.0	
MONROE	NC4UC	444.425	+	T94.8	☺
MORAVIAN FALLS	KA2NAX	442.675	+	T88.5	☺
MORG/WALKER TOP	KC4QPR	442.300	+	94.8	☺
MORGANTON	KC4QZL	443.800	+	T	
MOUNT AIRY	N4XRY	444.925	+		
MT AIRY/FSH PK	KF4UY	444.825	+	T100.0	☺
MT MITCHELL	N4DWU	443.600	+	114.8	☺
NASHVILLE	N4JEH	443.700	+	T107.2	☺
NEW BERN	W4EWN	444.900	+	T100.0	☺
NEWEL	WT4IX	442.125	+	PROP	☺
NEWPORT	KD4RAA	444.825	+	T100.0	☺
NEWPORT CCARS	W4YMI	444.975	+		☺
NEWTON	KE4KIV	442.625	+		
OLD FORT	KR4EX	444.775	+		
OXFORD	NO4EL	444.600	+		
PINEY KNOB	KC4KPW	443.875	+	T103.5	
PITTSBORO	K1BUD	442.550	+	T	☺
PITTSBORO	KD4JFN	444.750	+	T146.2	☺
POLKVILLE	KC4ZTJ	444.975	+		
RALEIGH	N4LMR	442.450	+		
RALEIGH	W4MLU	442.575	+	T	☺
RALEIGH	W4ATC	442.675	+	100.0	☺
RALEIGH	WA4NNA	443.125	+		☺
RALEIGH	N4ZCM	443.225	+	T	
RALEIGH	W1IFL	443.375	+	T	
RALEIGH	W4RNC	444.525	+	T82.5	☺
RALEIGH	KD4RAA	444.675	+	T100.0	
RALEIGH	K4GWH	444.825	+	T146.2	☺
RALEIGH	W4BAD	444.850	+	T100.0	
REIDSVILLE	K4YEC	444.800	+	T107.2	☺
RES. TRIANGLE PK	WA1YYN	443.425	+	T156.7	☺
RES. TRIANGLE PK	W4EUS	443.625	+		
ROANOKE RAPIDS	KA4BQM	444.550	+	T192.8	
ROCKY MOUNT	N4JEH	444.700	+	T107.2	☺
ROCKY MOUNT	WN4Z	444.850	+	T131.8	☺
ROLESVILLE	KF4HFQ	444.950	+	T88.5	
ROUGEMNT/RED MT	WA4WTX	443.275	+	100.0	
ROXBORO	KE4GYN	442.175	+	T156.7	☺
SALISBURY	W4HG	443.150	+	T136.5	
SALISBURY	KJ4HF	444.650	+	T88.5	☺
SAURATOWN MT	KE4QOX	443.100	+	T88.5	☺
SAURATOWN MTN	W1WBT	443.050	+	T136.5	☺
SCOTLAND NECK	WA4TCC	444.075	+	PROP	
SELMA	KI4RK	444.000	+		☺
SHELBY	W4NYR	444.325	+		☺
SOPHIA/RANDLEMAN	WR4BEG	443.075	+		☺
SOUTHERN PINES	KD4QMS	444.800	+	T118.8	
#STANFIELD	KC4FWC	443.200	+	UNCOR	☺
STATESVILLE	N4VOZ	443.450	+		
STATESVILLE	AE4GA	444.700	+	T94.8	
TARBORO	N4JEH	444.500	+	T100.0	☺
TARBORO	N4NTO	444.925	+	T118.8	☺
TAYLORSVILLE	W4ERT	441.625	+	T123.0	
TAYLORSVILLE	W4ERT	442.950	+	T151.4	
THOMASVILLE	WW4DC	442.900	+	T88.5	☺
VALDESE	WA4PXV	442.600	+		
WAXHAW	WA4ZRS	444.525	+	T94.8	☺
WAYNESVILLE	N4DTR	444.450	+		
WEST JEFFERSON	AB4JJ	443.500	+	T107.2	☺
WILKESBORO	KE4DGP	442.475	+	T107.2	
WILKESBORO	KC4XE	443.550	+	94.8	☺
WILLIAMSTON	K4SER	444.250	+	T131.8	☺
WILMINGTON	N4JDW	442.075	+	T88.5	
WILMINGTON	WA4US	442.175	+		☺
WILMINGTON	WA4US	442.200	+	T	☺
WILMINGTON	K4YNY	442.500	+	T88.5	
WILMINGTON	AD4DN	443.400	+	T88.5	☺
WILMINGTON	WA4US	443.850	+		☺
WILMINGTON	WA4US	443.950	+		☺
WILMINGTON	N4JDW	444.050	+	T88.5	
WILMINGTON	WA4US	444.200	+		☺
WILMINGTON	WA4US	444.450	+		☺
WILMINGTON	WA4US	444.650	+		☺
WILMINGTON	K4GMP	444.850	+	T88.5	☺
WILSON	W4EJ	444.900	+	T179.9	☺
WINGATE	WB4U	444.875	+	T127.3	☺
WINSTON-SALEM	W4NC	444.275	+		☺
WINSTON-SALEM	KD4MMP	444.725	+	T107.2	☺
YADKINVILLE	KD4KMK	442.025	+	T100.0	☺
YADKINVILLE	N4AAD	442.800	+	T100.0	
YOUNGSVILLE	KC4WDI	443.200	+	T88.5	☺
ZIRCONIA	N2QJI	441.900	+	PROP	☺

900 MHZ

BEAR WALLOW	WA4TOG	927.550	-	PROP	☺
CONCORD	N2QJI	927.6625	-	PROP	☺
DURHAM	KB4WGA	927.6125	-	PROP	☺
RALEIGH	W4FAL	927.6625	-	T156.7	☺
WAYNESVILLE	N4DTR	927.6625	-	T131.8	

1270 MHZ

#CHARLOTTE	W4PPN	1253.250	+	UNCOR	
CONCORD	N2QJI	1282.525	-	PROP	☺
GASTONIA/CRWDR	AG4EI	1292.820	-		☺
WILMINGTON	AD4DN	1291.410	-	88.5	☺

SOUTH CAROLINA

10 METERS

SUMTER	W4GL	29.660	-		☺

6 METERS

BISHOPVILLE	K4NOC	53.090	-		☺
BLACKSBURG	AB4OE	53.030	-	T123.0	
CHESTER	KF4SXO	53.290	-		
GAFFNEY	KF4BJO	53.470	-	PROP	
GVL/CSR'S HEAD	KO4MZ	53.410	-	T131.8	☺
LEESVILLE	N5CWH	53.270	-	T162.2	☺
LITTLE MOUNTAIN	KN4AS	53.190	-	T156.7	
MOUNTAIN REST	KF4IWA	53.590	-		
MYR BCH/AYNOR	K4SHP	53.050	-		
ORANGEBURG	AD4U	53.210	-		☺
SUMTER	W4GL	53.770	-		☺
UNION	K4USC	53.150	-		☺
WALTERBORO	KG4BZN	53.310	-	123.0	☺

2 METERS

AIKEN	KY4S	145.170	-		☺
AIKEN	N4ADM	147.285	+		
ANDERSON	N4AW	146.970	-		☺
ANDERSON/SAS MT	N4AW	146.790	-		☺
BAMBERG	WA4DFP	145.330	-		☺
BARNWELL	KK4BQ	147.030	+	T156.7	☺
BEAUFORT	W4IAR	145.310	-		☺
BEAUFORT	KD4KOJ	146.655	-		☺
BISHOPVILLE	K4NOC	145.170	-	T123.0	☺
BISHOPVILLE	W4APE	146.925	-		
CAMDEN	KT4NZ	146.820	-	PROP	
CASSATT	KG4FAN	147.105	+	PROP	
CHARLESTON	WA4USN	145.250	-	123.0	
CHARLESTON	K4ESG	146.760	-	T	☺
CHARLESTON	WA4USN	146.790	-		
CHARLESTON	KT4YW	146.835	-		☺
CHARLESTON	N7GZT	146.940	-	T	
CHARLESTON	KE4HHR	147.300	+	T103.5	☺
CHARLESTON	W4ANK	147.345	+	T	☺
CHARLESTON AR	WA4USN	145.410	-		
CHARLESTON AREA	W4ANK	147.270	+		☺
CHERAW	W4APE	145.490	-		
CHESTER	W4CHR	145.310	-		☺
CHESTER	KF4SXO	146.625	-		
CHESTERFIELD	K4CCC	147.135	+		☺
CLEMSON UNIV	WD4EOG	145.450	-	T	
COLUMBIA	N7GZT	145.270	-	T162.2	☺
COLUMBIA	WB4NEP	146.715	-		
COLUMBIA	KF4GHC	147.330	+	156.7	☺
COLUMBIA	N4EOY	147.360	+		
DILLON/PEE DEE	W4PDE	146.745	-		☺
EASTOVER	KT4BU	147.075	+	T156.7	
ELLOREE	KC4WIF	146.610	-	T118.8	
FLORENCE	W4ULH	146.850	-		☺
FLORENCE	W4GEY	146.970	-	167.9	☺
FLORENCE	W4APE	147.195	+		
FORT JACKSON	KF4GHC	146.775	-	T156.7	☺
FORT MILL	WZ4SC	145.110	-		☺
FORT MILL	W4DXA	147.180	+		☺
GAFFNEY	WB4BLI	145.470	-	141.3	
GEORGETOWN	KI4CB	147.375	+		☺
GREELEYVILLE	KG4AQH	145.230	-		
GREENVILLE	W4IQQ	146.940	-	67.0	☺
GREENWOOD	W4JAK	145.130	-		☺
GREENWOOD	W4GWD	147.165	+	107.2	☺
#GREENWOOD	K4LEO	147.375	+	UNCOR	
GRNVLE/CSRS HD	W4NYK	146.610	-		☺
GRNVLE/PARIS MT	W4NYK	146.820	-		☺
HILTON HEAD	W4IAR	147.240	+	T	☺
HOLLY HILL	K4ILT	145.370	-	PROP	
#LANCASTER	W4PAX	146.700	-	UNCOR	☺
LANCASTER	AC4VT	147.240	+	T88.5	
LAURENS	KD4HLH	146.865	-	T107.2	☺
LEESVILLE	N5CWH	146.655	-	T162.2	☺
LEESVILLE	W4RRC	147.255	+	T123.0	☺
LEXINGTON	KA4FEC	147.390	+		☺
LITTLE MT.	K4AVU	147.210	+		
LITTLE RIVER	KF4VGX	146.865	-		☺
MARION	KD4HTW	147.000	-	T192.8	☺
MONCKS CORNER	WD4NUN	147.150	+	T	
MOUNTAIN REST	KU4OL	147.030	-		
MYB BCH/BRKSVIL	N4LV	147.285	+		
MYR BCH/AYNOR	K4SHP	147.090	+	PROP	☺
MYR BCH/CONWAY	W4GS	145.110	-		☺

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq)
and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

S. CAROLINA REPEATERS CONTINUE

MYR BCH/CONWAY	KI4CB	145.470	-		☺
MYRTLE BEACH	W4GS	145.290	-	85.4	☺
MYRTLE BEACH	K4SHP	146.655	-	PROP	
MYRTLE BEACH	W4GS	147.120	+		☺
MYRTLE BEACH	KD4TMW	147.240	+	T85.4	☺
N. AUGUSTA	K4NAB	146.730	-	T	☺
#N. MYRTLE BEACH	N4JTH	147.030	+	UNCOR	
ORANGEBURG	KF4ATU	146.805	-	T156.7	☺
ORANGEBURG	N7GZT	146.880	-	T	
ORANGEBURG	KF4ATU	147.090	+	T156.7	☺
PAGELAND	W4APE	146.895	-		
PAULINE	K4JLA	147.090	+		☺
PICKENS	WT4F	146.700	-	107.2	☺
PICKENS	WB4YXZ	147.000	-	151.4	
PINE RIDGE	KD4BMX	146.955	-	T162.2	☺
PUMPKINTOWN	KU4ZS	145.290	-	PROP	
ROCK HILL	K4YTZ	147.030	-		
SANTEE	W4DTW	147.225	+	PROP	
SAVANNAH RIVER	W4ZKM	145.450	-	PROP	
SENECA/LONG MT	WA4JRJ	147.270	+		☺
SIMPSONVILLE	WA4UKX	145.250	-	PROP	☺
SIMPSONVILLE	WA4UKX	146.730	-	100.0	☺
SMOAKS	KG4LAP	145.210	-		
SPARTANBURG	K4JLA	147.315	+		☺
ST. GEORGE	K4ILT	147.045	+	103.5	☺
ST. GEORGE	W4DTW	147.225	+		☺
ST. MATTHEWS	AD4U	146.670	-	T156.7	☺
SUMMERTON	N4LWY	145.150	-		
SUMMERVILLE	W1GRE	146.985	-	PROP	
#SUMMERVILLE	W4HNK	147.180	+	UNCOR	☺
SUMTER	K4JR	145.130	-		☺
SUMTER	K4JR	145.430	-	T156.7	☺
SUMTER	W4GL	146.640	-		☺
SUMTER	W4GL	147.015	+	156.7	☺
SUMTER/SHAW	W4VFR	147.060	+		
UNION	K4USC	145.150	-		☺
UNION	K4USC	146.685	-		☺
WALTERBORO	KG4BZN	145.390	-		☺
WALTERBORO	KG4BZN	147.135	+		☺
WHITE HALL	WA4SJS	146.910	-	156.7	☺

220 MHZ

BISHOPVILLE	K4NOC	224.860	-		☺
COLUMBIA	N7GZT	224.160	-		
COLUMBIA	N7GZT	224.640	-		
COLUMBIA	N4EOY	224.900	-		
CROSS	KB4VFD	224.580	-		
FLORENCE	N4JJ	224.940	-		☺
FORT MILL	WZ4SC	224.800	-		☺
GAFFNEY	KG4JIA	224.500	-	T123.0	☺
GREENVILLE	W4ILY	224.200	-		☺
GRNVL/DOWNTWN	W4NYK	224.920	-	88.5	☺
LEESVILLE	N5CWH	224.560	-	T162.2	☺
LITTLE MTN	N7GZT	224.520	-		
ORANGEBURG	N7GZT	224.180	-		
ORANGEBURG	KO4BR	224.780	-		☺
PICKENS	AC4RZ	224.280	-		
PICKENS	WB4QHF	224.400	-	T131.8	☺
PICKENS/CSRS HD	WB4QHF	224.140	-	T131.8	☺
PICKENS/SASFR MT	W4IT	224.320	-		☺
SUMTER	W4GL	224.120	-		☺
SUMTER/SHAW	W4VFR	224.660	-		
WEST SPRINGS	KN4CW	224.440	-		☺

440 MHZ

ABBEVILLE	KD4HEY	442.750	+	T162.2	☺
AIKEN	AC4WW	443.400	+	T107.2	
BISHOPVILLE	K4NOC	444.500	+	123.0	☺
BLUFFTON	WA4MPZ	442.675	+	100.0	☺
CHARLESTON	N4SJW	442.150	+	PROP	☺
CHARLESTON	KF4CDR	442.775	+	T	
CHARLESTON	N4MNH	444.300	+		
CHARLESTON	KD4PBC	444.950	+	103.5	
CHERAW	AG4GW	443.000	+	PROP	
CLEMSON UNIV.	WD4EOG	444.625	+	T156.7	
CLOVER	KC4KPJ	443.725	+	127.3	
COLUMBIA	N7GZT	442.200	+	162.2	
#COLUMBIA	KF4GHC	444.200	+	UNCOR	☺
COWPENS	KE4EAN	443.625	+	T136.5	☺
EASLEY/SAS MTN	AC4RZ	444.925	+	T103.5	
FLORENCE	W4ULH	444.000	+		☺
FORT MILL	WZ4SC	443.475	+		☺
GAFFNEY	KF4BJO	441.875	+	T123.0	
GAFFNEY	AI4M	442.000	+	114.8	☺
GEORGETOWN	KI4CB	444.925	+	T	☺
GREELEYVILLE	KG4AQH	441.525	+	PROP	
GREENVILLE	KB4PQA	442.250	+		
GREENWOOD	W4GWD	443.900	+	107.2	☺
GRNVLE/PARIS MT	W4IQQ	443.350	+		☺
HICKORY TAVERN	AC4RZ	443.450	+	PROP	
HOLLY HILL	K4ILT	444.825	+	PROP	
KNIGHTSVILLE	WA4USN	441.350	+		☺
LAKE MURRAY	N4UHF	444.650	+	T	☺
LAKE WYLIE	W1WBT	444.050	+	T136.5	☺
LANCASTER	KC4AC	444.100	+		
LAURENS	KD4HLH	443.175	+	T146.2	☺
LAURENS	KF4Y	443.775	+	T141.3	
LEESVILLE	N5CWH	443.500	+	162.2	☺
LEXINGTON	N4GUP	421.250	+		
LIBERTY	N4VDE	443.975	+	PROP	
LITTLE MT	NK4W	442.975	+	T162.2	
MOUNTAIN REST	AE4PZ	442.775	+	T127.3	
MT PLEASANT	W4HNK	443.800	+	123.0	☺
MT. PLEASANT	WA4USN	441.450	+		☺
MYB BCH/BRKSVIL	N4LV	444.525	+		
MYR BCH/CONWAY	W4GS	444.675	+	T85.4	☺
MYR BEACH/AYNOR	K4SHP	444.900	+	123.0	
MYRTLE BEACH	K2PJ	444.575	+	85.4	☺
NO. CHARLESTON	KT4YW	444.600	+		☺
ORANGEBURG	WM3O	444.975	+		☺
PACOLET	AG4VT	441.900	+	T100.0	☺
PICKENS	WT4F	442.125	+		☺
PICKENS/CSRS HD	WB4QHF	442.400	+	T127.3	☺
ROCK HILL	KI4D	443.100	+	PROP	
ROCK HILL	KC4KPJ	444.725	+	127.3	
SIMPSONVILLE	AA4LB	442.725	+	T100.0	
SIX MILE	WB4TWX	441.875	+	100.0	
SPARTANBURG	KU4ZS	442.175	+	PROP	
SUMMERVILLE	KC4ED	442.300	+	T	☺
SUMTER	WZ4O	421.250	+		
SUMTER	W4GL	444.150	+	123.0	☺
UNION	K4USC	442.100	+		☺
WALTERBORO	KG4BZN	444.550	+	123.0	☺

900 MHZ

PICKENS	KE4PAB	927.5125	-	T100.0

TENNESSEE

10 METERS

GALLATIN/BNA	W4CAT	29.640	-	T107.2	
GREENEVILLE	WB4NKM	29.640	-		
MEMPHIS	W4ZJM	29.620	-	T*#	
SPRINGFIELD	N8ITF	29.680	-		
TELLICO PLAINS	AJ4D	29.620	-	141.3	☺

6 METERS

CHATTANOOGA	K4VCM	53.350	-		☺
COOKEVILLE	WA4UCE	53.190	-	PROP	
DRESDEN	KG4IBW	53.130	-	T107.2	☺
GALLATIN	WA4BGK	53.050	-	T114.8	
GEORGETOWN	WD4OAR	53.730	-	PROP	
GREENEVILLE	N4FV	53.010	-	100.0	
GUTHRIE (TN/KY)	KA4ZKL	53.230	-		
KINGSPORT	K4GX	53.430	-	PROP	
#KNOXVILLE	WA4YON	53.250	-	UNCOR	☺
KNOXVILLE	KB4REC	53.470	-	PROP	
KNOXVILLE	N4OQJ	53.550	-	PROP	
KNOXVILLE/RACK	W4BBB	53.770	-	100.0	☺
KNXVL/ENG MT	WB4IOB	53.150	-		☺
LAFOLLETTE	K4BGW	53.170	-	PROP	
LANEVIEW	KE4OVN	53.710	-	T107.2	☺
LEXINGTON	N5YKR	53.150	-	T100.0	
MARYVILLE	KC4PDQ	53.370	-		☺
MEMPHIS	WA4KOG	53.010	-		
MEMPHIS	K4RDK	53.550	-		
MEMPHIS	W4GMM	53.930	-	T107.2	☺
MONTEAGLE MTN	NQ4Y	53.450	-	114.8	☺
MORRISTOWN	KF4FTD	53.030	-	PROP	
MORRISTOWN	KQ4E	53.230	-		
MOUNTAIN CITY	K4DHT	53.330	-	PROP	
MT. JULIET	KB4IDC	53.330	-	PROP	
NASHVILLE	WA4BGK	53.010	-	T114.8	
OAK RIDGE	WD4GYN	53.110	-		
#ROGERSVILLE	K4GX	53.750	-	UNCOR	
SEVIERVILLE	KD4PBC	53.090	-	PROP	
SPRINGFIELD	N8ITF	53.150	-		
WAVERLY	NO4Q	53.090	-		☺

2 METERS

ALAMO	K4WWV	147.135	+		☺
ANDERSON CTY	KF4BVQ	146.700	-	T100.0	☺
ARNOLD A.F.B.	KC4FV	147.195	+		☺
ATHENS	KG4FZR	145.150	-	T141.3	☺
ATHENS	WA4PNI	145.310	-	T141.3	☺
ATHENS	KG4FZR	147.060	-	141.3	☺
BENTON	K4SIR	145.450	-	T	
BLOUNTVILLE	W4CBX	147.000	+		☺
BOLIVAR	AF4O	147.045	+		☺
BRADEN	WA4KOG	145.490	-		
BRISTOL	W4UD	146.670	-		☺
BRISTOL	WD4CYZ	146.880	-		
BROWNSVILLE	WF4O	145.430	-	T107.2	☺
BROWNSVILLE	KI4BXI	146.655	-		☺
BRSTL/HOLSTN MT	K4JP	146.760	-		
BRUCETON	WF4O	145.170	-	T107.2	☺
CARTHAGE	N4OTT	145.190	-		☺
CENTERVILLE	AG4UW	147.090	+	T123.0	
CENTERVILLE	AG4UW	147.255	+	T123.0	
CHATTANOOGA	K4CMY	145.130	-		☺
CHATTANOOGA	W4AM	145.290	-	T118.8	☺
CHATTANOOGA	W4AM	145.390	-		☺
CHATTANOOGA	W4AM	146.610	-		☺
CHATTANOOGA	W4AM	146.790	-		☺
CLARKSVILLE	K4ORE	146.925	-	T110.9	☺
CLARKSVILLE	AC4RS	147.000	+	T167.9	☺
CLARKSVILLE	KF4L	147.390	+	T123.0	
CLEVELAND	W4GZX	146.925	-		
CLEVELAND	KD4NEC	147.105	+		☺
CLEVELAND	WD4DES	147.180	+	T118.8	☺
COLLEGEDALE	KA6UHV	147.000	+	T131.8	☺
COLLIERVILLE	WT4E	145.330	-	T107.2	
COLUMBIA	W4GGM	147.120	+	T127.3	☺
COOKEVILLE	KK4TD	145.110	-		☺
COOKEVILLE	WA4UCE	145.430	-		
COOKEVILLE	W4HPL	147.210	+		☺
CORNERSVILLE	WB4VXX	146.625	-	107.2	
CORNERSVILLE	KF4TNP	146.805	-	114.8	☺
CROSS PLAINS	K4BBN	147.345	+		☺
CROSSVILLE	W4EYJ	146.805	-	131.8	☺
#CROSSVILLE	W8EYU	146.865	-	UNCOR	☺
CROSSVILLE	KF4HNV	146.895	-	PROP	
CUMBERLAND CITY	WD4DBJ	145.330	-		
DANDRIDGE	WD4EGD	146.895	-		☺
DAYTON	K4PHT	147.345	+		
DAYTON/RHEA CTY	K4DPD	147.390	+		☺
DICKSON	KN4HL	147.375	+		☺
DOVER	KT4WS	145.250	-	100.0	☺
DOVER	N4VIH	145.410	-	T123.0	
DYERSBURG	W4MV	146.745	-		
ELIZTON/HOLS MT	KF4ZQA	145.290	-	T100.0	☺
ERWIN/PINNACLE	W4NKW	145.250	-	T	☺
ERWIN/UNICOI	KF4BRS	147.165	+		☺
FAYETTEVILLE	W4BV	147.030	+		☺
FRANKLIN	W4XS	145.150	-		
GALLATIN	W4LKZ	147.240	+	T114.8	
GALLATIN	WD4BKY	147.270	+	T114.8	
GALLATIN	W4CAT	147.300	+	T114.8	
GERMANTOWN	W2GLJ	145.210	-		☺
GRAY	WM4T	145.110	-		
GREENBRIER	WQ4E	147.075	+	T107.2	☺
GREENEVILLE	W4WC	145.390	-		☺
GREENEVILLE	K4MFD	145.410	-	T173.8	☺
GREENEVILLE	N4FV	147.060	+	186.2	
GREENFIELD	KE4OVN	145.350	-	107.2	☺
GTLBG/COVE MTN	WA4KJH	146.850	-	T127.3	
HARRIMAN	KA4QYI	146.640	-	T100.0	☺
HARRIMAN	KC4WHL	146.745	-		
HENDERSON	K4TC	147.105	+	T	☺
HOWENWALD	K4TTC	146.895	-	100.0	☺
HUNTINGDON	KB4YTM	146.835	-		
JACKSON	KF4SC	145.310	-		☺
JACKSON	WF4Q	146.775	-	T107.2	☺
JACKSON	WF4Q	147.210	+	T107.2	☺
JACKSON	WB0TMC	147.270	+		☺
JAMESTOWN	K4NLP	147.090	+	T100.0	☺
JASPER	KD4XV	145.190	-	T127.3	
JOHNSON CITY	W4ABR	146.790	-		☺
JOHNSON CITY	KE4FH	147.270	+		☺
JONESBOROUGH	WD4OBW	146.925	-		☺
KNGSPT/BAYS MT	W4TRC	146.970	-		☺
KNOXVILLE	WB4GBI	145.170	-		☺
KNOXVILLE	WA4TEM	145.330	-		☺
KNOXVILLE	KB4KIE	145.370	-		
KNOXVILLE	WB4YLC	145.430	-		☺
KNOXVILLE	WB4GBI	145.470	-		☺
KNOXVILLE	WB4GBI	146.625	-	T100.0	☺
KNOXVILLE	KC4ROG	146.910	-	T	
KNOXVILLE	WB4GBI	146.940	-		☺
#KNOXVILLE	KD4CWB	147.000	-	UNCOR	☺
KNOXVILLE	WB4GBI	147.075	+		☺
#KNOXVILLE	KD4CWB	147.195	+	UNCOR	☺
KNOXVILLE/RACK	W4BBB	145.210	-	T100.0	☺
KNOXVILLE/RACK	W4BBB	147.300	+	T100.0	☺
KNXVL/ENG MT	WB4IOB	148.730	-		☺
LAFAYETTE	KC4ECD	145.310	-	T151.4	☺
LAFOLLETTE	KA4OAK	145.130	-		
LAFOLLETTE	K4BGW	146.670	-		☺
LAFOLLETTE	KA4OAK	147.360	+		
LAKE CITY	WB4OAH	146.820	-		
LAVERNE	W4CAT	145.230	-		
LAWRENCEBURG	W4RDM	146.655	-	T	
LEBANON	W4LYR	147.105	+	T100.0	☺
LIVINGSTON	N2UP	147.045	+		☺
MANCHESTER	W4UOT	146.700	-	T114.8	
MARTIN	W4UTM	146.625	-	T107.2	
MARYVILLE/ALCOA	W4OLB	146.655	-		☺
MAYNARDVILLE	KB4KIE	145.230	-		
MCEWEN	NO4Q	147.225	+	114.8	☺
MCMINNVILLE	WD4MWQ	146.970	-		
MCMINVL/SHT MT	WB4LHO	145.490	-		
MCNAIRY	WF4Q	147.075	+	T107.2	☺
MEDINA	WA4RWK	146.970	-		
MEMPHIS	KF4ATY	145.130	-	T107.2	
MEMPHIS	N4ER	145.250	-	T146.2	☺
MEMPHIS	K5FE	145.410	-	T107.2	
MEMPHIS	WA4KOG	145.450	-		
MEMPHIS	WB4KQQ	146.640	-		
MEMPHIS	KE4LFZ	146.730	-	T107.2	
MEMPHIS	W4KIB	146.790	-	T107.2	
MEMPHIS	W4BS	146.820	-	T	
MEMPHIS	WA4KOG	146.850	-		
MEMPHIS	WA4KOG	146.880	-		
MEMPHIS	W4ZJM	147.000	-	T*#	
MEMPHIS	W4EM	147.030	+	T107.2	☺
MEMPHIS	WA4MQQ	147.060	+		

TENNESSEE REPEATERS CONTINUE

MEMPHIS	W4GMM	147.090	+	T107.2	☺
MEMPHIS	N4WAH	147.120	+	T107.2	
MEMPHIS	WA4KOG	147.180	+		
MEMPHIS	WA4ADT	147.300	+	107.2	
MEMPHIS	W4BS	147.360	+	T107.2	
MONTEAGLE MTN	NQ4Y	145.410	-	T114.8	☺
MONTEREY	W4SRX	145.270	-	PROP	
MORGAN COUNTY	WD4ORB	147.330	+	T82.5	☺
MORRISTOWN	KQ4E	145.450	-		
MORRISTOWN	KQ4E	147.030	+		☺
MORRISTOWN	WB4OAH	147.225	+		
#MORRISTOWN	KQ4E	147.390	+	UNCOR	
MOSCOW	KF4OID	145.110	-	107.2	
MOUNTAIN CITY	KF4RBR	145.470	-	103.5	☺
#MT PLEASANT	KF4GHD	145.450	-	UNCOR	☺
MURFREESBORO	WB4LHO	145.170	-		
NASHVILLE	KC4WPS	145.130	-	T114.8	
NASHVILLE	N4ARK	145.210	-		
NASHVILLE	WR3S	145.370	-		☺
NASHVILLE	N4ARK	145.470	-		☺
NASHVILLE	WA4PCD	146.610	-	T	☺
NASHVILLE	AF4TZ	146.640	-	T114.8	☺
NASHVILLE	AF4TZ	146.670	-	T114.8	☺
NASHVILLE	WA4PCD	146.760	-	T114.8	☺
NASHVILLE	W4SQE	146.790	-	T100.0	☺
NASHVILLE	W4AY	146.850	-	T114.8	☺
NASHVILLE	WA4PCD	146.880	-	T	☺
#NASHVILLE	NT4L	146.955	-	UNCOR	
NASHVILLE	KC4PRD	146.985	-		
NASHVILLE	AF4TZ	147.015	+	T	☺
NASHVILLE	K4AYN	147.045	+		
NASHVILLE	K4ZGA	147.180	+	T114.8	
NASHVILLE	AF4TZ	147.360	+	T	☺
NASHVILLE WEST	WA4PCD	147.150	+	T114.8	☺
NASHVL/FAIRVIEW	N4ARK	145.110	-	151.4	☺
NEWBERN	N4ZKR	145.190	-	T100.0	
NOLENSVILLE	WD4JYD	145.350	-	114.8	
OAK RIDGE	W4SKH	146.880	-		☺
OAK RIDGE	W4SKH	146.970	-		☺
OAK RIDGE	K4EAJ	147.120	+	T82.5	☺
OAK RIDGE	K4EAJ	147.150	+	T82.5	☺
OAKFIELD	WA4BJY	147.390	+	T	
OAKLAND	WA4KOG	146.940	-		
ONEIDA	KB4PNG	145.350	-	PROP	
#ONEIDA	KB4PNG	146.820	-	UNCOR	
PARIS	KC4YLL	147.165	+	T114.8	
PARIS	K4KLX	147.360	+		
PETROS/FRZ HD MT	KJ4SI	147.255	+		☺
PIGEON FORGE	KD4CLA	145.270	-	T100.0	
PIKEVILLE	KF4JPT	147.285	+		
PULASKI	WD4RBJ	147.330	+	100.0	☺
PULASKI/MUSIC MT	W4JVO	146.775	-		
PURYEAR	WA4CEX	147.165	+		
RAMER	WB4MMI	146.700	-	T107.2	
RCKWD/MT ROSVLT	KE4RX	147.015	+		☺
#RICHLAND	KF4TNP	147.390	+	UNCOR	☺
RIDGETOP	K4DXC	145.290	-	114.8	☺
RIPLEY	KE4NTL	145.230	-	T100.0	☺
ROGERSVILLE	KD4HZN	147.315	+	T114.8	☺
SALTILLO	KB4JUB	146.715	-		
SARDIS	AF4OQ	147.195	+	T94.8	
SELMER	WB4MMI	146.805	-	T107.2	
SHELBYVILLE	N4VFB	147.060	+		☺
SHILOH	WF4Q	145.290	-	T107.2	☺
SHORT MTN	W4YXA	146.910	-		☺
SPARTA	N4ARK	147.315	+	T123.0	☺
SPARTA/WHITE	KR4BT	147.165	+	T123.0	☺
TELLICO PLAINS	KE4VQM	147.315	+	T141.3	☺
TRENTON	KN4KP	146.865	-		
UNION CITY	WA4YGM	146.700	-		
UNION CITY	WF4Q	147.015	+	T107.2	☺
WALLAND	KF4ARH	146.685	-	T88.5	☺
WARTBURG	AA4YQ	146.745	-		☺
WATERTOWN	K4EHL	146.730	-	T100.0	☺
WATERTOWN	W4LYR	146.835	-	T100.0	☺
WINCHESTER	W4UOT	146.820	-		

220 MHZ

BLOUNTVILLE	W4CBX	224.200	-		☺
CHATTANOOGA	K4VCM	224.780	-		☺
CLARKESVILLE	N4PJX	224.420	-	123.0	
CLEVELAND	KK4US	224.320	-		
CLEVELAND	W4RRG	224.920	-		☺
COLLIERVILLE	KB4YGI	224.400	-		
ERWIN	KB8FPK	224.180	-		☺
GALLATIN	W4CAT	223.980	-	107.2	
GALLATIN	KD4VUW	224.700	-		
GATLINBURG	W4UWH	224.620	-		☺
GREENBRIAR	WQ4E	224.800	-		☺
GREENBRIER	WQ4E	224.760	-		☺
GREENEVILLE	K4MFD	224.720	-	T173.8	☺
GREENEVILLE	W4WC	224.900	-	T100.0	☺
GREENEVILLE	WB4NKM	224.940	-		
HERMITAGE	WB4SJV	223.900	-		
JC/BUFFALO MT	KE4FH	224.780	-		☺
JOYNER	KC4WGH	224.840	-	T88.5	☺
KNOXVILLE	WB4GBI	224.340	-		☺
KNOXVILLE	N4OQJ	224.380	-	100.0	
KNOXVILLE	N4KFI	224.580	-	T103.5	
KNOXVILLE	K4PCK	224.760	-		☺
KNOXVILLE/RACK	W4BBB	224.500	-	T100.0	☺
KNXVL/CROSS MT	KB4FZK	224.220	-	T100.0	
LAFOLLETTE	KA4OAK	224.280	-		
LAVERGNE	WR3S	224.360	-		☺
LEWISBURG	KF4TNP	224.100	-		☺
MEMPHIS	W4ZJM	223.940	-	T*#	
MEMPHIS	W4BS	224.420	-		
MEMPHIS	WA4KOG	224.780	-		
MORRISTOWN	N4RBB	224.400	-		
MORRISTOWN	KC4RGQ	224.640	-		
MURFREESBORO	KD4TZZ	224.600	-	123.0	☺
NASHVILLE	WR3S	224.160	-		
#NASHVILLE	KC4TFQ	224.440	-	UNCOR	
NASHVILLE	WR3S	224.460	-		
NASHVILLE	K4ZGA	224.480	-		
NASHVILLE	WR3S	224.660	-		
NASHVILLE	N4PYI	224.740	-	T100.0	☺
NASHVILLE	KC4PRD	224.840	-		
NASHVILLE	WA4PCD	224.940	-	T	☺
NEWPORT	AC4JF	224.560	-	T100.0	☺
ONEIDA	KB4PNG	224.140	-		
ROGERSVILLE	KD4HZN	224.480	-		☺
S. PITTSBURG	WR3S	224.760	-		
SE NASHVILLE	WR3S	224.960	-		
SEVIERVILLE	N2FUV	224.440	-	T	
SEVIERVILLE	KD4IBW	224.700	-	T100.0	
SEVIERVILLE	KD4IBW	224.800	-		
SHORT MTN.	N4PYI	224.260	-	T114.8	☺
SMITHVILLE	WR3S	223.960	-		☺
SPRINGFIELD	KO4BN	224.220	-		
SPRINGFIELD	N8ITF	224.540	-		
SWEETWATER	WD9JGI	224.900	-	T127.3	

440 MHZ

ALAMO	K4WWV	443.750	+		☺
ALGOOD	N2BR	444.425	+	T88.5	☺
BARTLETT	K4VVM	443.700	+	T107.2	
BARTLETT	WA4PAJ	444.250	+		
BIG SANDY	W4TLB	443.600	+	114.8	☺
BLUFF CITY	KE4CCB	444.500	+	T77.0	
BRICK CHURCH	KF4TNP	443.100	+	T167.9	☺
CASTALIAN SPRING	KE4SWV	442.750	+	PROP	☺
CENTERVILLE	AG4VW	443.700	+	PROP	
CENTERVILLE	AG4UW	444.700	+	T107.2	
CHAT/MNTLAKE MT	KD4UWA	444.875	+	T156.7	☺
CHAT/WALDEN	AF4ZJ	442.425	+		
CHATT/HIXSON	N4WT	442.900	+		☺
CHATTANOOGA	WJ9J	442.025	+	T	☺
CHATTANOOGA	WJ9J	442.150	+		☺
CHATTANOOGA	KT4OL	443.125	+	PROP	
CHATTANOOGA	KT4OL	443.125	+	PROP	
CHATTANOOGA	WB4LRD	443.550	+		
CHATTANOOGA	KD4HII	443.900	+	T	
CHATTANOOGA	W4AM	444.100	+		☺
CHATTANOOGA	KE4LQY	444.150	+		☺
CHATTANOOGA	KD4HII	444.200	+	T	
CLARKSVILLE	KA1FFO	442.900	+	T110.9	
CLARKSVILLE	WA4BZU	444.325	+	T107.2	☺
CLEVELAND	WD4DES	442.250	+	T118.8	☺
CLEVELAND	KD4NED	442.450	+	PROP	
CLEVELAND	W4GZX	444.275	+		
COLLEGEDALE	KA6UHV	443.575	+	T131.8	☺
COLLIERVILLE	KA7UEC	443.300	+	T107.2	☺
COLLIERVILLE	KA7UEC	443.625	+	T107.2	☺
COLLIERVILLE	WT4E	444.625	+	T107.2	
COLUMBIA	W4RDM	442.725	+		
COLUMBIA	WA4AKM	444.925	+	T107.2	☺
CONCORD	KA4BNI	442.675	+	T107.2	☺
COOKEVILLE	WA4UCE	442.300	+	107.2	
COOKEVILLE	K4DAV	444.500	+	PROP	
COOKEVILLE	KK4TD	444.550	+	T107.2	☺
COOKEVILLE	WA4PPL	444.600	+	T107.2	
CORDOVA	WA5KUB	444.775	+	T100.0	
CROSSVILLE	WO4U	443.875	+	T88.5	☺
CROSSVILLE	W4EYJ	444.950	+	T118.8	☺
CUMBERLAND FU	KG4CEO	442.375	+	T107.2	
DAYTON	KJ4BJ	442.075	+		☺
DEASON	WA4AWI	443.350	+	T107.2	
DECATUR	KE4MBR	442.725	+	PROP	
DOVER	N4VIH	444.925	+		
DRESDEN	KA4BNI	442.150	+	T107.2	☺
ETOWAH	KF4CFO	442.275	+	141.3	☺
EVA	AD4QG	443.625	+		
FRANKLIN	N4ULM	443.850	+		
FRANKLIN	WC4EOC	444.025	+	PROP	
FRANKLIN	WA4AKM	444.725	+	T107.2	☺
GALLATIN	WD4BKY	444.000	+		
GALLATIN	WD4BKY	444.350	+	T114.8	
GALLATIN	W4CAT	444.450	+	T107.2	
GALLATIN	WA4AKM	444.775	+	T107.2	☺
GATLBG/COVE MT	WA4KJH	443.300	+	T127.3	
GATLINBURG	KD4PBC	443.150	+	PROP	
GERMANTOWN	W2GLJ	444.175	+		
GOODLETTSVILLE	KC4PRD	443.125	+	107.2	
GRAY	WM4T	442.200	+	T100.0	
GREENBRIER	WQ4E	444.250	+		
GREENEVILLE	W4WC	443.200	+	100.0	
GREENEVILLE	K4MFD	444.200	+	T173.8	☺
GREENEVILLE	WB4NKM	444.650	+	T100.0	
GREENEVILLE	K4GX	444.950	+	PROP	
GREENVILLE	N4FV	442.700	+	T	
HARRIMAN	KC4WHL	442.875	+	T136.5	
HENDERSON	KE4PFW	442.275	+		
HENDERSON	KU4RT	442.575	+		
HENDERSON	K4TC	444.750	+	T	☺
HICKORY VALLEY	KA4JXT	443.125	+	107.2	☺
HIXSON	KF4VWJ	444.750	+	PROP	
HOHENWALD	K4TTC	442.000	+		☺
HOHENWALD	WB4NNX	444.850	+	T100.0	☺
HORNBEAK	KA4BNI	442.400	+	T107.2	☺
HUNTINGDON	KB4YTM	444.375	+		
JACKSON	KA4BNI	442.425	+	T107.2	☺
JACKSON	KE4CES	442.900	+	T114.8	☺
JACKSON	KI4BMD	443.825	+	T114.8	
JACKSON	KI4BMD	443.825	+	PROP	
JACKSON	WB0TMC	444.725	+	T107.2	☺
JAMESTOWN	KC4MJN	443.625	+	T100.0	
JASPER	KD4XV	442.050	+	T127.3	
JEFFERSON CITY	KD4TUD	444.625	+	T	
#JOHNSON CITY	WB4SQC	442.050	+	UNCOR	☺
JOHNSON CITY	KE4FH	444.100	+		☺
JOHNSON CITY/BUF	WD4ATV	421.250	+		☺
KINGSTON	K4CRS	444.025	+		☺
KNOXVILLE	WB4HAP	442.500	+	T103.5	☺
KNOXVILLE	N4UAG	443.025	+		
KNOXVILLE	KA4AZQ	443.075	+	PROP	
KNOXVILLE	KD4CWB	443.500	+	T	
KNOXVILLE	KA4AZQ	443.800	+	T100.0	
KNOXVILLE	KD4OBX	443.950	+		
KNOXVILLE	KD4CWB	444.000	+	PROP	☺
KNOXVILLE	KC4NNN	444.175	+	T	
KNOXVILLE	WB4GBI	444.300	+		☺
KNOXVILLE	KB4KSL	444.325	+		
KNOXVILLE	KC4NNN	444.425	+	T	
KNOXVILLE	KD4IBW	444.525	+	T100.0	
KNOXVILLE	KD4TZD	444.925	+		
KNOXVILLE/RACK	W4BBB	444.575	+	T100.0	☺
LAFAYETTE	KC4ECD	444.125	+	T107.2	☺
LAFOLLETTE	KB4OTK	443.700	+		☺
LAKE CITY	WD4LUR	442.800	+	T100.0	☺
LANEVIEW	KE4OVN	443.850	+	T107.2	☺
LAVERGNE	WR3S	443.975	+	T	
LEBANON	KW4LS	443.000	+	PROP	
LEBANON	WA4AWI	443.275	+	T107.2	
LEBANON	W4LYR	443.575	+	T100.0	☺
LEBANON	WA4AXH	444.275	+	T	
LENOIR CITY	KB9EBA	442.950	+	PROP	
LEWISBURG	KF4TNP	442.100	+	107.2	☺
LEXINGTON	KA4BNI	442.075	+	T107.2	☺
LEXINGTON	N5YKR	442.925	+	123.0	
LORETTO	KF4OCK	442.875	+	203.5	
MADISONVILLE	KG4FZS	442.100	+	PROP	☺
MARYVILLE	K4BTL	442.000	+		
MARYVILLE	KC4PDQ	444.075	+	100.0	☺
MARYVILLE	KF4VDX	444.700	+	T127.3	
MARYVILLE	KE4FGW	444.825	+	T100.0	
MCEWEN	KE4KNZ	443.925	+	T107.2	☺
MCKENZIE	KD4KPV	443.875	+		
MCMINNVILLE	WD4MWQ	444.850	+	T	
MCNAIRY	WF4Q	444.550	+	T107.2	☺
MEDINA	WA4BJY	442.050	+		
MEMPHIS	W4GMM	442.175	+	T107.2	☺
MEMPHIS	NU5O	442.575	+	77.0	☺
MEMPHIS	WB4EPG	442.625	+		
MEMPHIS	WF4G	442.825	+		
MEMPHIS	W4ZJM	443.000	+	T*#	
MEMPHIS	KA4JXT	443.100	+	T107.2	☺
MEMPHIS	KA4JXT	443.125	+	T	☺
MEMPHIS	W4BS	443.200	+	T107.2	
MEMPHIS	WA4QWW	443.400	+		
MEMPHIS	N4ER	443.950	+	T	☺
MEMPHIS	K4RDK	444.025	+		
MEMPHIS	KF4ATY	444.075	+	107.2	
MEMPHIS	KA4JXT	444.100	+	T	☺
MEMPHIS	KA4JXT	444.125	+	T	☺
MEMPHIS	WA4KOG	444.400	+		
MEMPHIS	N4WAH	444.500	+	T	
MEMPHIS	K0JXI	444.800	+		
MEMPHIS	K5FE	444.825	+	107.2	
MEMPHIS	K7AG	444.850	+	T107.2	
MEMPHIS	WB4NNE	444.950	+		
MILAN	WD4PAX	442.100	+		☺
MONTEAGLE MT.	NQ4Y	441.250	+		☺
#MORRISTOWN	KD4LP	444.800	+	UNCOR	
MORRISTOWN	KQ4E	444.975	+	T	
MOUNTAIN CITY	K4DHT	443.925	+	T103.5	☺
MT JULIET	N4PYI	444.400	+	T	☺
MT JULIET	N4PYI	444.750	+	T156.7	☺
MT PLEASANT	KG4GCZ	443.175	+	107.2	
MURFREESBORO	KD4TZZ	441.875	+	107.2	☺
NASHVILLE	K1YJ	442.500	+	T107.2	☺
NASHVILLE	KE4PJW	443.450	+	PROP	
NASHVILLE	W1ARN	443.725	+	T107.2	
NASHVILLE	KG4NRC	443.800	+	T123.0	
NASHVILLE	N4PYI	444.050	+	T107.2	☺

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq)
and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

TENNESSEE REPEATERS CONTINUE

NASHVILLE	AF4TZ	444.150	+	T107.2	☺
NASHVILLE	N4ARK	444.200	+	T	☺
NASHVILLE	N4ARK	444.225	+	T114.8	☺
NASHVILLE	WA4BZU	444.300	+	T107.2	☺
NASHVILLE	WA4BGK	444.525	+	T107.2	
NASHVILLE	WA4PCD	444.550	+		☺
NASHVILLE	WA4WCK	444.575	+	T	☺
NASHVILLE	WA4TOA	444.625	+	T107.2	☺
NASHVILLE	WA4PCD	444.675	+	T	☺
NASHVILLE	N4PYI	444.800	+	T110.9	☺
NASHVILLE	WA4AKM	444.875	+	T107.2	☺
NASHVILLE	WA4AKM	444.975	+	T107.2	☺
NEWBERN	N4ZKR	444.475	+	T107.2	
NO CITY LISTED	WC4EOC	443.875	+	PROP	
NOLENSVILLE	WA4AXH	443.650	+	T	
NUNNELY	KG4UHH	444.075	+	100.0	
OAK RIDGE	K4EAJ	444.400	+	T82.5	☺
OAKFIELD	WA4BJY	442.200	+	T	
ONEIDA	KT4PN	442.825	+		
PALMER	N4ZKR	444.700	+	T107.2	☺
PARIS	KC4YLL	442.950	+	123.0	
PARIS	AD4LR	443.675	+		
PIGEON FORGE	KD4CLA	444.350	+	T156.7	
PROSPECT	WA4AUX	444.600	+	T118.8	
PULASKI	WD4RBJ	442.150	+	118.8	☺
RAMER	WB4MMI	444.900	+	T	
RCKWOOD/OZONE	WJ9J	442.225	+		☺
ROCKWOOD	KA4WJS	443.975	+		
ROGERSVILLE	K4GX	443.350	+	T	
SELMER	KA4BNI	442.800	+	T107.2	☺
SEVIERVILLE	KD4IBW	443.675	+	T100.0	
SEVIERVILLE	N4CKB	444.725	+	T123.0	☺
SHELBYVILLE	WA4PZN	442.700	+	T	
SHELBYVILLE	KC4KRM	443.825	+		
SHRT MT/MURFREB	W4CAT	444.650	+	T107.2	
SMITHVILLE	N4PYI	444.825	+	T107.2	☺
SODDY DAISY	WJ9J	444.450	+		☺
SPARTA	KR4BT	444.375	+	123.0	☺
SPENCER	KA4MHJ	443.775	+	123.0	☺
SPRINGFIELD	N8ITF	442.600	+		
SPRINGFIELD	N8ITF	444.950	+	100.0	
SUMMITVILLE	N4ZKR	444.475	+	T107.2	☺
SWEETWATER	KG4KIJ	443.725	+	T	☺
TELLICO PLAINS	KC4QKC	442.550	+	141.3	☺
TRI-CITIES	KD4PBC	443.150	+	PROP	
WATERTOWN	W4LYR	444.900	+	T100.0	☺
WAVERLY	NO4Q	442.225	+	110.9	☺
WHITE HOUSE	W4KOC	443.900	+	T107.2	☺
WHITE OAK MT	WD4OAR	442.925	+	100.0	☺
WINCHESTER	W4UOT	443.950	+	T107.2	

900 MHZ

LEWISBURG	KF4TNP	920.500	-		☺
MORRISTOWN	KQ4E	920.800	-		
NASHVILLE	K4ZGA	923.250	-		

1270 MHZ

LEWISBURG	KF4TNP	1285.300	-		☺
MEMPHIS	N4HKS	1292.000	-		
NASHVILLE	WA4AKM	1284.400	-		☺
NASHVILLE	K1YJ	1286.000	-	T88.5	☺
NASHVILLE	KD4EEW	439.250	+		
SMITHVILLE	KB4ZOE	1286.500	-		☺

VIRGINIA

10 METERS

FANCY GAP	KE4QOX	29.660	-	T123.0	
NEWPORT NEWS	W4CM	29.600	+		
STERLING PARK	KD4DN	29.680	-		

6 METERS

ALEXANDRIA	W4HFH	53.130	-		
AMELIA	WB3R	53.390	-		
BALD TOP MT	AD4CG	53.910	-		
BEDFORD/THNDR	N4TZE	53.770	-	T173.8	
BEDFRD/THAX MT	N4CH	53.150	-		☺
BLUEFIELD	N8RIG	53.370	-		☺
BULLRUN	K8GP	53.450	-		
CHESTERFIELD	KD4SUU	53.430	-		
DANVILLE(DCC)	WB4GJG	53.130	-	T	
FANCY GAP	WA4CQK	53.290	-	T100.0	☺
GATE CITY	N4WWB	53.210	-		
GUM SPRING	KB4MIC	53.070	-	203.5	☺
HAMPTON	WA4OHX	53.890	-		
LEXNGTN/ROCK MT	KI4ZR	53.010	-		☺
LYNCHBURG	KE4KEH	53.570	-	103.5	☺
MCCLEAN	K6LEW	53.370	-		
NEWPORT NEWS	KT4QW	53.250	-	T100	☺
PEARISBURG	KE4JYN	53.470	-	T107.2	☺
RICE	KE4SFU	53.170	-		☺
ROANOKE	N4CH	53.250	-		☺
ROANOKE/POOR MT	WB8BON	53.090	-		☺
ROCKY MT/FERRUM	WD4KZK	53.270	-	T107.2	
VESTA	KG4KUA	53.430	-	PROP	
WHITE TOP MTN	KB4YFV	53.650	-		

2 METERS

ABINGDN/BRMLY MT	K4JP	146.610	-		
ABINGDON	NM4L	147.345	+	T103.5	☺
ACCOMAC	K4BW	147.255	+	T156.7	☺
ALEXANDRIA	K4US	146.655	-		
ALEXANDRIA	W4HFH	147.315	+		
ALTAVISTA	WA4ISI	146.655	-		☺
AMELIA	WB3R	145.190	-		
AMELIA COURTHSE	KB4YKV	147.180	+		
AMHERST	K4CQ	145.490	-	T136.5	☺
ARLINGTON	WB4MJF	145.150	-		
ARLINGTON	WB4MJF	145.470	-		
ARLINGTON	KF4JPC	146.625	-		
BEDFORD	N4CH	145.230	-		☺
BEDFORD	WB4JBJ	147.105	+		
BEDFRD/APL ORCH	WA1ZMS	146.685	-	T100.0	☺
BIG "A" MTN	KD4TC	146.805	+	T103.5	☺
BLACKSBURG	W9KIC	146.715	-		
BLAND	N4AZJ	145.350	-	T103.5	☺
BLUEFIELD	KD8XK	145.250	-	T100.0	☺
BLUEFIELD	W8MOP	145.490	-		☺
BLUEFIELD/ONEIDA	WZ8E	146.955	-	100.0	☺
BLUEMONT	WA4TSC	147.300	+		
BOYDTON	KD4ZTK	147.240	+		
CARBO	KK4MW	147.075	-		☺
CHARLOTTESVILLE	WA4TFZ	146.760	-	T151.4	☺
CHARLOTTESVILLE	WA4TFZ	146.925	-	T151.4	☺
CHESAPEAKE	W4CAR	146.610	-		☺
CHESAPEAKE	N4SD	146.790	-		
CHESAPEAKE	W4CAR	146.820	-	T162.2	☺
CHESTERFIELD	KD4KWP	145.310	-		☺
CHESTERFIELD	KA4CBB	147.360	+		☺
CLINCHCO	KB4RFN	147.150	+	T88.5	
#CLINCHCO	WD4CYZ	147.255	+	UNCOR	
COEBURN	AD4OV	145.430	-	103.5	☺
COLONIAL HEIGHTS	KE4EUE	145.390	-	PROP	☺
COVINGTON	WA4HTI	146.805	-		☺
CULPEPER	AF4CY	145.410	-		
CULPEPER	W4CUL	147.120	+		
DANVILE/WHT OAK	K4AU	146.700	-	107.2	☺
DANVILLE(DCC)	WB4GJG	146.925	-	T88.5	
DUBLIN	W4CBM	146.670	-		☺
DULLES AIRPORT	W4DLS	145.310	-		
EASTVILLE	KC4MKY	147.345	+	T156.7	☺
ELK CRK/IRON MT	N4MGQ	147.240	+	T107.2	☺
ENON	WB4VWR	147.060	+	T107.2	
FAIRFAX	K4KXK	146.790	-		
FANCY GAP	NC4BL	146.970	-	T100.0	☺
FARMVILLE	KE4ZBH	145.330	-		
FARMVILLE	KE4ZBH	146.910	-		
FARMVILLE	N4CFA	146.955	-	T136.5	☺
FINCASTLE	W4WIC	146.640	-		☺
FOREST	AG4AN	146.775	-	PROP	
FRANKLIN	W4LG	147.300	+	T131.8	
FREDERICKSBUR	K4TS	147.015	+		
GALAX/BRIRP MT	W4BRC	147.090	+		☺
GARRISONVILLE	N4NW	145.270	-		
GATE CITY	N4WWB	146.820	-	T	
GLOUCESTER	W4HZL	145.370	-	T	☺
GOOCHLAND	N4TZE	147.090	+		
GREENBAY	K4ARO	145.150	-		☺
GRUNDY	K4HWQ	147.315	+		
GRUNDY/BIG A MT	KK4EH	146.835	-		☺
GUM SPRING	WB4IKL	147.270	+		☺
HAMPTON	WA4OHX	145.490	-		
HAMPTON	KG4NJA	146.670	-	173.8	☺
HAMPTON	W4QR	146.730	-		
HAMPTON	KA4VXR	147.225	+	T136.5	☺
HARRISONBURG	N4YET	145.130	-		
HARRISONBURG	N4RAG	146.895	-		
HARRISONBURG	N4RAG	147.225	+		
HARRISONBURG	N4YET	147.315	+		
HIGH KNOB MT	K4QZJ	145.210	-		
JARRATT I-95	K4SVA	146.625	-	T100.0	☺
KILMARNOCK	W4GSF	146.835	-	PROP	☺
KINGS CROSSING	N5GQD	147.150	+		
LEXINGTON	KI4ZR	147.300	+		☺
LEXNGTN/ROCK MT	KI4ZR	147.330	+		☺
LURAY	KE4JSV	147.030	+		☺
LYNCHBURG	KC4RBA	145.370	-	186.2	☺
LYNCHBURG	W4WWQ	146.610	-	136.5	☺
LYNCHBURG	AB4M	147.015	-	T131.8	☺
LYNCHBURG	KE4VNN	147.165	+	PROP	☺
LYNCHBURG	WA4RTS	147.195	+	T136.5	☺
MANASSAS	W4OVH	146.970	-		
MARION	N4QLF	146.640	-	T103.5	
MARTINSVILLE	KF4KVG	147.285	+	T107.2	☺
MCLEAN	W4CIA	147.210	+		
MECHANICSVILLE	W4TTL	146.805	-	PROP	
MONTEREY	WD4ITN	147.180	+	T100.0	☺
MONTPELIER	KQ4RH	145.250	-	T	
MOUNTAIN LAKE	WZ8E	146.865	+	110.9	☺
MT.LAKE/BALD KNB	K4TUE	146.910	-	107.2	☺
NEWMARKET	W3MMC	146.625	-		
NEWPORT NEWS	W4MT	145.230	-	T100.0	☺
NEWPORT NEWS	W4CM	147.165	+		
NORFOLK	WA4ZUA	145.170	-	136.5	☺
NORFOLK	W4VB	145.330	-		☺
NORFOLK	KF8PT	146.700	-	PROP	
NORFOLK	AD4ZK	147.075	+		☺
NORTON	KG4VFO	146.865	-	T103.5	
NORTON/HIGH KNB	K4AXO	147.015	-	T88.5	
PAGECO	KD4DDI	146.670	-		
PATRICK SPRINGS	WG8S	147.120	+	T107.2	☺
PEARISBURG	N4AZJ	147.135	+	T100.0	☺
PEARISBURG	W4NRV	147.375	+	T100.0	☺
PETERSBURG	KE4SCS	146.985	-	T127.3	☺
PETERSBURG	K4ARO	147.390	+		☺
PKS KB/PULASKI	N4NRV	147.180	+	T103.5	☺
PORTSMOUTH	W4POX	145.390	-	PROP	☺
PORTSMOUTH	W4POX	146.850	-		☺
#POWHATAN	KC4NSE	147.210	-	UNCOR	☺
QUANTICO	#W4NFR	147.345	+		
RADFORD/RINER	N3ZE	145.150	-		☺
RICHMOND	K4YPE	145.110	-		☺
RICHMOND	W4SQT	145.430	-		☺
RICHMOND	WB4QEY	146.640	-		
RICHMOND	W4RAT	146.880	-	PROP	☺
RICHMOND	W4ZA	146.940	-		☺
RICHMOND	WA4JST	147.030	-		
RICHMOND	KC4VDZ	147.135	+	T107.2	☺
RICHMOND	N2EDE	145.210	-	T107.2	☺
ROANOKE	KA4THY	145.450	-	PROP	
ROANOKE	N4AP	146.940	-		
ROANOKE/POOR MT	K4ARO	145.390	-	T107.2	☺
ROANOKE/POOR MT	K4ROA	146.745	-	T107.2	
ROANOKE/POOR MT	W4CA	146.985	-		
ROANOKE/POOR MT	KB4QWO	147.270	+		☺
RUSTBURG	N4UTN	145.290	-	T	
RUSTBURG/LONG MT	N4UTN	146.835	-	T173.8	
SALEM	WA4V	146.880	-		
SALUDA	AA4HQ	145.450	-		☺
SMITHFIELD	WT4RA	147.195	+	T100.0	☺
SOUTH BOSTON	W4HCH	145.350	-		☺
SOUTH BOSTON	KF4AGO	147.060	-		☺
SOUTH HILL	N4ZCM	145.470	-		
SPOTSYLVANIA	K4MQF	146.775	-		
STAUNTON	KD4WWF	146.700	-	T131.8	
STAUNTON	WA4ZBP	146.850	-	T131.8	
STAUNTON	W4WRN	146.970	-		
STAUNTON/EL.KB	KE4CKJ	147.045	+	T131.8	☺
STERLING	WA4TXE	146.700	-		
STUARTS DRAFT	KB4OLM	147.360	+		
SUFFOLK	W4LG	147.000	-	T100.0	
TYSONS CORNER	KF4QQP	146.910	-		
VIENNA	K4HTA	146.685	-		
VIRGINIA BEACH	WA4KXV	146.895	-		☺
VIRGINIA BEACH	WA4KXV	146.970	-		☺
VIRGINIA BEACH	WA4SBC	147.045	+		
WALKERTON	W4TTL	146.715	-		
WARRENTON	KB3BOI	145.350	-		
WARRENTON	NZ4N	147.165	+		
WARSAW	KA4ZIP	147.285	+		☺
WAYNESBORO	W4PNT	147.075	+		☺
WILLIAMSBURG	KF4ADM	145.410	-	127.3	☺
WILLIAMSBURG	KB4ZIN	146.760	-		☺
WILLIAMSBURG	KB4ZIN	147.105	+		☺
WINCHESTER	KB3BOI	145.350	-		
WINCHESTER	W4RKC	146.820	-		
WOODBRIDGE	W4IY	147.240	+		
WYTH/WALKER MT	WB3T	146.895	-	T103.5	☺
WYTHEVILLE	WB3T	146.775	-	T107.2	☺

220 MHZ

ARLINGTON	WB4MJF	224.060	-		
ARLINGTON	WB4MWF	224.620	-		
BEDFORD	N4PLV	224.840	-		☺
BEDFRD/APL ORCH	WA1ZMS	224.180	-	T100.0	☺
BELL KNOB	WD4KHP	224.440	-		
BERRYVILLE	WD4KHP	224.400	-		
BERRYVILLE	WD4KHP	224.740	-		
BLUEFIELD	N8FWL	224.440	-	T123.0	☺
BLUEFIELD	WA8O	224.920	-		☺
BLUEMTN	KF4VED	224.160	-		
CHARLOTTESVILLE	N4HRV	224.140	-	T88.5	☺
CHARLOTTESVILLE	WA4TFZ	224.760	-		☺
CHESAPEAKE	W4LG	224.980	-	PROP	
DELTAVILLE	AA4HQ	224.900	-		☺
FAIRFAX	WB4YHD	224.100	-		
FANCY GAP	K4DQ	224.880	-	T100.0	
GLOUCESTER	W4GSF	224.620	-		☺
HAMPDEN-SYDNEY	W4JAS	224.200	-		
HAMPTON	WB4PVT	224.540	-	T100.0	☺
HARRISONBURG	N4YET	224.820	-		
HAYMARKET	WD4KHP	224.420	-		
HAYMARKET	WD4KHP	224.720	-		
LAKE GASTON	W4LG	224.600	-		
LEESBURG	N0NW	224.020	-		
LOVETTSVILLE	WB4FUJ	224.460	-		
LURAY	KE4JSV	224.360	-		
LYNCHBURG	AB4M	224.280	-		☺
MANASSAS	W4OVH	224.660	-		
MARTINSVILLE	K4RCA	224.500	-		☺
NORFOLK	KC4JGC	224.740	-	T100.0	
NORTON/HIGH KNB	WD4GSM	224.420	-		
PATRICK SPRINGS	WG8S	224.420	-	T103.5	☺
PEARISBURG	KQ4Q	224.860	-	107.2	
PETERSBURG	K4ARO	224.700	-		☺
RIDGEWAY	WS4W	224.380	-	T	
ROANOKE	N4CH	224.100	-		☺

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . conclude!

VIRGINIA REPEATERS CONTINUE

ROANOKE	N2EDE	224.940	-	T107.2	☺
ROANOKE/TINKER	K4YDG	224.900	-		☺
STAUNTON/EL KNOB	KE4CKJ	224.300	-	T131.8	☺
TYSONS CORNER	KM4OI	224.340	-		
TYSONS CORNER	WD4KHP	224.420	-		
WAYNESBORO	KA4RCL	224.680	-	T131.8	
WINCHESTER	N3HXT	224.220	-		
WOODBRIDGE	W4IY	224.780	-		
WYTHEVILLE	K4YW	224.560	-	T77.0	☺

440 MHZ

ABINGDON	KB8KSP	442.975	+	T100.0	☺
ABINGDON	WB3T	444.025	+	T103.5	☺
ACCOMACK	K4BW	444.300	+	T156.7	☺
ALTAVISTA	WA4ISI	444.425	+	100.0	☺
AMELIA	KB4YKV	443.200	+		
ARLINGTON	KD4DSX	448.625	-		
ARLINGTON	W8HNT	449.325	-		
ARLINGTON	WB4MJF	444.150	+		
ARLINGTON	K4AF	444.550	+		
#ASHBURN	KQ4CI	448.825	-	UNCOR	☺
#ASHBURN	KQ4CI	442.100	+	UNCOR	☺
BASSETT	KF4RMT	442.725	+	T107.2	
BEDFORD	N4CH	444.350	+		☺
BEDFRD/APL ORCH	WA1ZMS	442.650	+	T100.0	☺
BEDFRD/APL ORCH	WA1ZMS	443.800	+	T100.0	☺
BELL KNOB	WD4KHP	449.825	-		
BENT MT	K4YD	443.675	+	T107.2	☺
BERRYVILLE	WB2KPH	447.475	-		
BIG A MTN	KB4WTP	444.875	+		☺
#BLACKSTONE	KC4NSE	446.825	-	UNCOR	
BLUEFIELD	W8MOP	442.450	+		☺
BLUEFIELD	W8MOP	444.450	+		☺
BLUEFIELD	WZ8E	444.625	+		☺
BLUEMONT	WA4TSC	449.925	-		
BLUEMONT	WA4TSC	449.925	-		
BULL RUN MT	WA3KOK	447.775	-		
CHARLOTTESVILLE	KF4UCI	442.075	+	151.4	☺
CHARLOTTESVILLE	WA4TFZ	444.250	+	T151.4	☺
#CHARLOTTEVILLE	KF4UCI	444.775	+	UNCOR	☺
CHESAPEAKE	W4CAR	444.000	+	T162.2	☺
CHESTERFIELD	WA3KOK	433.075	+	PROP	
CHESTERFIELD	KA4CBB	442.150	+		☺
CHESTERFIELD	WA3KOK	442.450	+	PROP	
CHRISTIANSBURG	WD4BSB	444.650	+	PROP	☺
COPPER RIDGE	KB4WTP	444.550	+	PROP	☺
COVINGTON	WA4PGI	442.250	+	T100.0	☺
DALE CITY	N8BOR	443.100	+		
DANVILE/WHT OAK	K4AU	444.700	+		☺
DANVILLE	KQ4I	443.850	+		☺
DISMAL PEAK	WB3T	443.325	+	T103.5	☺
ENON	WB4VWR	444.200	+		
FAIRFAX	K4HTA	448.375	-		
FAIRFAX	WD4KHP	449.775	-		
FALLS CHURCH	WB4UNB	447.425	-		
FALLSCHURCH	KF4LWJ	444.300	+		
FANCY GAP	WD4ICX	433.200	+		
FANCY GAP	WB3T	444.050	+	T103.5	☺
FANCY GAP	N4OWU	444.375	+	T107.2	
FANCY GAP	WA4CQK	444.900	+	T100.0	☺
FANCY GAP	KD4FWS	444.925	+	100.0	
FOREST	AG4AN	442.475	+	PROP	
FRONT ROYAL	N4MKH	449.225	-		
GASBURG	W4LG	442.000	+		
GATE CITY	N4WWB	444.700	+		
GLOUCESTER	N4XND	421.250	+		
GRETNA/SMITH MT	KD4TBC	444.075	+	T123.0	
GUM SPRING	KB4MIC	442.800	+		☺
HAMPTON	KG4NJA	443.650	+	PROP	☺
HAMPTON	WA4OHX	443.750	+	100.0	
HAMPTON	W4QR	444.550	+	T167.9	
HARRISONBURG	N4YET	444.600	+		
HAYMARKET	KT4ER	448.325	-		
HAYMARKET	N3AUY	449.025	-		
HERNDON	N4LXI	443.000	+		
HIGHKNOB	N1TXI	447.725	-		
HILLSVILLE	KB4YFV	442.125	+	T103.5	
HILLSVILLE	KB4GHT	442.325	+	PROP	
INDEPENDENCE	W4RCT	443.375	+	T103.5	☺
JONESVILLE	WB4IVB	442.575	+	T100.0	
LEXINGTON	KI4ZR	444.300	+		☺
LEXNGTN/ROCK MT	KI4ZR	444.150	+		☺
LORTON	WD4KHP	449.725	-		
LYNCHBG/JACK MT	KF4YI	442.400	+	T107.2	
LYNCHBRG/TOB MT	K4CQ	444.500	+	T136.5	
LYNCHBURG	K4CQ	420.050	+	136.5	☺
LYNCHBURG	K4CQ	923.250	-		☺
LYNCHBURG	KE4VNN	442.350	+	T136.5	☺
LYNCHBURG	AB4FU	442.950	+	T	☺
LYNCHBURG	KC4RBA	443.450	+	186.2	☺
LYNCHBURG	N4TZE	444.000	+	T103.5	
LYNCHBURG/T.ROW	N4IFC	442.200	+	T103.5	
MADISON	N8HON	444.400	+		
MANASSAS	W4OVH	442.200	+		
MARION	WB3T	443.125	+	T103.5	☺
MARTINSVILLE	KF4RMT	443.825	+	T107.2	
NEWPORT	K4TUE	441.950	+	PROP	
NEWPORT NEWS	W4MT	442.900	+	T100.0	☺
NORFOLK	W4VB	442.950	+	131.8	☺
NORFOLK	AD4ZK	444.475	+	T127.3	☺
NORFOLK	WD4MIZ	444.675	+	T107.2	
OILVILLE	KB4MIC	444.800	+		☺
PATRICK SPRINGS	WG8S	443.175	+		☺
PATRICK SPRINGS	KC3FB	443.750	+	T77.0	
PEARISBURG	K4IJ	444.675	+	PROP	☺
PEARISBURG	N4AZJ	444.975	+	T103.5	☺
PETERSBURG	K4ARO	442.600	+		☺
PETERSBURG	WB4KZI	443.825	+		
PORTSMOUTH	W4POX	443.800	+		☺
POUND	KF4VDF	444.850	+	T103.5	
POWHATAN	KN4YM	443.100	+		
#PRINCE GEORGE	W4RDF	444.275	+	UNCOR	
PULASKI	KE4CIF	442.775	+	T	
QUANTICO	N3QEM	447.975	-		
RICHMND/CHLTVL	N4EHJ	444.650	+		☺
RICHMOND	WA4AYB	441.600	+	PROP	
RICHMOND	KC4VDZ	442.300	+	T114.8	☺
RICHMOND	W4RAT	442.550	+	PROP	☺
RICHMOND	AB4SF	444.850	+	T	☺
ROANOKE	K4IJ	441.775	+	PROP	☺
ROANOKE	K4ARO	442.600	+	T	☺
ROANOKE	W7CP	442.700	+	T	
ROANOKE	K4NRW	444.175	+	T103.5	
ROANOKE	K4IJ	444.275	+	PROP	☺
ROANOKE	WB3T	444.325	+	T103.5	☺
ROANOKE/MILL MT	WD4KZK	442.750	+	T107.2	
ROANOKE/POOR MT	W4CA	442.500	+		
ROANOKE/POOR MT	KA4IXK	442.850	+		
ROANOKE/READ MT	WD4KZK	444.850	+	T107.2	
ROANOKE/TINKER M	WB8BON	444.925	+		
SILER	WA4RS	449.175	-		
SLINGS GAP	WD4KZK	444.775	+	T107.2	
SOUTH BOSTON	KF4AGO	443.925	+		☺
SOUTH BOSTON	W4HCH	444.625	+		☺
SOUTH HILL	KD4MJO	443.525	+	100.0	☺
SPOTSYLVANIA	N2XHZ	447.875	-		
SPOTSYLVANIA	KD4QNA	442.700	+		
SPOTSYLVANIA	K4MQF	442.850	+		
STAFFORD	K4HR	444.450	+		
STAUNTON	WA4ZBP	444.825	+	T131.8	
STAUNTON/EL KNOB	KE4CKJ	444.100	+	T131.8	☺
STERLING	WA4TXE	442.100	+		
STUARTS DRAFT	KB4OLM	444.050	+		
TYSONS CORNER	KA3RQR	447.025	-		
TYSONS CORNER	KM4FI	443.500	+		
VIENNA	N4KOU	444.850	+		
VIRGINIA BEACH	WA4KXV	444.950	+		
WAYNESBORO	N3XA	426.250	+		
WHITETOP MT	KM4X	443.000	+	T103.5	☺
WILLIAMSBURG	N4ARI	443.550	+	T100.0	☺
WILLIAMSBURG	KB4ZIN	444.100	+		☺
WILLIS	W4DUM	443.875	+		
WINCHESTER	W4RKC	448.775	-	146.2	☺
WINCHESTER	W4RKC	448.775	-		
WINCHESTER	W3CSG	442.000	+		
WINTERGREEN	K4CQ	444.550	+	T136.5	☺
WOODBRIDGE	W4IY	444.900	+		
WYTHE/WALKER MT	WB3T	442.000	+	T103.5	☺
WYTHEVILLE	W4VSP	442.175	+	T103.5	☺
WYTHEVILLE	WB3T	442.525	+	103.5	☺

900 MHZ

ALEXANDRIA	WA4CCF	919.600	-		
BEDFRD/APL ORCH	WA1ZMS	921.100	-	T100.0	☺
CULPEPER	KA4DCS	919.400	-		
FANCY GAP	N4JNE	927.4875	-	PROP	
LYNCHBRG/TOB MT	K4CQ	921.000	-	T100.0	☺
ROANOKE/POOR MT	WD4KZK	919.500	-	107.2	
TYSONS CORNER	K6LEW	919.500	-		
WOODBRIDGE	KA4DCS	919.800	-		

1270 MHZ

BEDFRD/APL ORCH	WA1ZMS	1283.100	-	T100.0	☺
ROANOKE/POOR MT	N4CH	1291.020	-		☺

2.4GHz

BEDFRD/APL ORCH	WA1ZMS	2411.600	+		☺

WEST VIRGINIA

10 METERS

BECKLEY	KA8OTX	29.620	-		
BECKLEY	KE4QOX	29.680	-	T88.5	☺
CHARLESTON	WB8CQV	29.640	-	203.5	
RICHWOOD	WA8YWO	29.660	-	T100.0	

6 METERS

ALDERSON	WV8BD	53.190	-		☺
BECKLEY	N8FWL	53.170	-	T123.0	☺
BECKLEY	WB8YST	53.590	+	T107.2	☺
CHARLESTON	WB8YST	53.630	+	T107.2	☺
CULLODEN	KC8POU	53.030	-	PROP	
FLATWOODS	N8CQQ	53.110	-	PROP	
GASSAWAY	AB8WB	53.210	-	T123.0	
KENOVA	KC8PFI	53.870	-	PROP	
LEWISBURG	KC8LRN	53.930	-	T131.8	☺
MARMT/CHARLSTN	N8PEI	53.750	-	T141.3	
RICHWOOD	WB8YST	53.710	-	T107.2	☺
RICHWOOD	WA8YWO	53.830	-	T100.0	
SHIRLEY	KB8TJH	53.310	-		
SNOWSHOE	KC8CSE	53.330	-	T156.7	☺

2 METERS

AMBER RIDGE	KB8NJH	147.210	+	T107.2	☺
ANSTED	NM8T	146.790	-	100.0	☺
BECKLEY	KC8AFH	146.700	-	123.0	☺
BECKLEY	N8FWL	147.360	+	T123.0	☺
BECKLEY/BOLT MT	WV8B	145.170	-	T100.0	
BECKLEY/EOC	WV8BD	145.370	-		☺
BECKLEY/FLAT TOP	WV8BD	146.850	-		☺
BECKLEY/LAYLAND	N8FCJ	145.310	-	T100.0	
BECKLEY/OAK HILL	N8FWL	145.230	-	T100.0	☺
BERKELEY SPRINGS	KK3L	146.745	-		
BIRCH RIVER	N8FMD	145.270	-	T103.5	☺
BRIDGEPORT	WB8DKM	147.120	+	T	☺
BUCKHANNON	N8FHE	145.410	-		☺
BUCKHANNON	N8ZAR	146.850	-		
BUCKHANNON	N8ZAR	147.060	+	123.0	
CAPON MT	N8YIB	147.435	-		
CHARLESTON	W8GK	145.350	-	91.5	☺
CHARLESTON	WB8YST	145.430	-	T107.2	☺
CHARLESTON	WB8CQV	146.820	-	T192.8	
CHARLESTON	W8XF	147.000	-	T91.5	☺
CHARLESTOWN	N8EIV	146.985	-		
CLARKSBURG	N8FMD	146.685	-	T103.5	☺
CLARKSBURG	N8FMD	147.210	+	T103.5	☺
COWEN	KC8ECX	146.835	-	110.9	
DANVILLE	WB8NAM	146.685	-	T	
DAVIS	KE8MR	147.135	+	T103.5	☺
ELKINS	N8FMD	145.230	-	T103.5	☺
ELKINS	KB8BWZ	146.775	-		
FAIRMONT	W8SP	145.350	-	T103.5	
FENWICK	KD8AB	146.940	-		
FLAT TOP/WINTRPL	WV8B	146.625	-	T100.0	
FLATWOODS	N8ZPX	146.655	-	T123.0	
FRANKLIN	W3RUA	147.345	+		☺
FROST	N8RV	145.110	-	107.2	☺
GASSAWAY	WB8MZI	146.610	-		
GASSAWAY	AB8WB	147.240	+	T123.0	
GLENVILLE	N8OYY	145.130	-	103.5	
GLENVILLE	WB8WV	145.290	-	91.5	
GRAFTON	K8VE	146.820	-	T103.5	
GRAFTON	WD8LNB	147.375	+	118.8	☺
HARISVL/PENSBRO	WB8NSL	147.300	+	T107.2	
HARPER'SFERRY	KB3BOI	145.350	-		
HINTON	KC8CNL	147.255	+	100.0	☺
HUNTINGTON	WB8FEQ	145.210	-	162.2	
HUNTINGTON	W8VA	146.760	-	T131.8	☺
HUNTINGTON	N8OLC	146.985	-	131.8	
HUNTINGTON/CHAS	N8HZ	146.640	-		☺
IAEGER	N8SNW	146.655	-	T203.5	
KEYSER	N8RCG	147.390	+	123.0	☺
#LENORE	AI4UK	145.390	-	UNCOR	
LEON	WD8OHX	147.180	+		
LEWISBURG	WB8SPW	146.730	-	T100.0	
LEWISBURG	N4RAG	146.760	-	T131.8	
LEWISBURG	WV8D	147.390	+	T100.0	
LOGAN SOUTH	NV8H	147.195	+	100.0	☺
LOGAN/SUMERCO	KB8QXP	147.345	+	T100.0	☺
LOGAN/WRD RK MT	KC8CPK	146.970	-	T100.0	☺
MADISON	WB8NAM	147.120	+	T	
MARLINTON	N4RAG	147.090	+	131.8	
MARTINSBURG	WA8FSE	145.150	-		
MARTINSBURG	WB8YZV	147.255	+		
MARTINSBURG	K3MAD	147.345	+		
MCMECHEN	N8BQ	146.910	-		☺
MIDDLEBOURNE	WV8TC	147.360	+	T110.9	☺
MOOREFIELD	KD4SZR	145.190	-		
MORGANTOWN	K8LG	145.430	-		
MORGANTOWN	W8CUL	146.760	-		☺
MORGANTOWN	KE8MR	147.075	+	T103.5	☺
MT. ZION	N8LGY	145.450	-	T107.2	☺
MULLENS	KC8IT	147.030	+		
NEW MARTINSVILE	KF8LL	146.985	-		
OAK HILL	NM8T	147.075	-	PROP	☺
PARKERSBURG	WV8G	145.490	-		
PARKERSBURG	WC8EC	147.255	+		☺
PARKERSBURG	WD8CYV	147.390	+	T141.3	
PARKERSBURG (OH)	N8NBL	146.970	-		
PARSONS	K8VNQ	145.370	-	T118.8	☺
PHILIPPI	K8VE	145.150	-	103.5	☺
PINEVILLE	W8LG	147.285	+		
PRINCETON	KA8PNC	147.060	-		☺
PRINCETON	WB8NRK	147.225	+	T114.8	☺
PRINCETON/PIPEST	WD8OGY	146.925	-		
RAVENSWOOD	WD8JNU	146.670	-		☺
RED HOUSE	WV8AR	145.410	-	T123.0	☺
RICHWOOD	WB8YJJ	145.190	-	T	
RICHWOOD	AA8TH	147.015	+	T	
RICHWOOD	KB8YDG	147.150	+	T100.0	☺
ROCKPORT	KC8TLG	147.135	+	T123.0	
SALT ROCK	K8SA	145.110	-	T110.9	
SCOTT DEPOT	WV8AR	147.270	+	123.0	☺
SHIRLEY	KB8TJH	145.310	-	T	
SKYLINE	K7SOB	147.360	+	T127.3	
SO. CHARLESTON	WB8CQV	146.880	-	203.5	

WEST VIRGINIA REPEATERS CONTINUE

SPENCER	KA8AUW	147.105	+	100.0	☺
SPRUCE KNOB	N8HON	147.285	+		☺
ST.MARYS/BENS RG	WB8ECC	147.030	+		
SUMMERSVILLE	N8YHK	145.470	-	100.0	
TERRA ALTA	KD8ZR	147.000	+	T	
UNION	W8IFL	145.410	-	T100.0	☺
WEBSTER SPRINGS	K8VE	146.955	-	T123.0	
WEIRTON	W8CWO	146.940	-		
WELCH	K8KRS	145.450	-		☺
WESTON	WD8EOM	145.390	-		
WESTON	KA8TCF	147.165	+		
WHEELING	KA8YEZ	145.190	-	156.7	☺
WHEELING	W8ZQ	146.760	-		☺
WILLIAMSON	WR8M	145.330	-	T100.0	☺

220 MHZ

ANSTED	N8FWL	224.840	-	123.0	☺
BECKLEY	N8FWL	224.240	-	T123.0	☺
BECKLEY - SOUTH	N8FWL	224.740	-	PROP	☺
BECKLEY - WEST	N8FWL	224.540	-	123.0	☺
BECKLEY/OAK HILL	N8FWL	224.340	-	T123.0	☺
BERKELEY SPRINGS	KA3VLG	224.700	-		
CHARLESTON	WB8YST	224.360	-	107.2	☺
CHARLESTON	WS8L	224.700	-	T123.0	☺
CRAIGSVILLE	KC8LRN	224.480	-	T91.5	☺
FLAT TOP/WINTRPL	WV8B	224.120	-	100.0	
GREENBANK	KC8CSE	224.560	-	123.0	☺
HILLSBORO	KC8LRN	224.220	-	T131.8	☺
HINTON/BECKLEY	N8FWL	224.640	-	123.0	☺
#LEON	WD8OHX	223.780	-	UNCOR	
LEWISBURG	N8FWL	224.140	-	PROP	☺
LEWISBURG	KC8LRN	224.800	-	T131.8	☺
SLATY FORK	KC8LRN	224.720	-	91.5	☺
SUTTON	W8COX	224.400	-	T123.0	
WILLIAMSON	WR8M	224.140	-		☺

440 MHZ

ALDERSON/SAM BLK	N8LVE	444.400	+	T100.0	
BECKLEY	N8FWL	443.050	+	T123.0	☺
BECKLEY	N8LVE	444.125	+	T	
BECKLEY/BOLT	W8LG	443.225	+		
BECKLEY/OAK HILL	WB8YST	444.525	+	T110.9	
BECKLEY/OAK HILL	WV8B	444.800	+	100.0	☺
BECKLY/OAK HILL	KE4QOX	443.100	+	T107.2	☺
BELINGTON	N8SCS	444.900	+	141.3	☺
BERKELEY SPRINGS	WA3KOK	442.450	+		
BLUEFIELD	WZ8E	443.625	+	100.0	☺
BUCHANNON	K8VE	444.475	+	T146.2	
BUCKHANNON	N8ZAR	444.250	+		
CHAPMANVILLE	W8CH	442.475	+	PROP	
CHARLESTON	KB8QKM	442.925	+	71.9	
CHARLESTON	WS8L	443.300	+	T123.0	☺
CHARLESTON	WV8AR	444.225	+	T123.0	☺
CHARLESTON	WB8YST	444.350	+	T107.2	☺
CHARLESTON	N8RKU	444.825	+	T123.0	
CLARKSBURG	N8FMD	444.175	+	T103.5	☺
CRAIGSVILLE	KC8SDN	443.650	+	T123.0	
DANS MT	N8YIB	145.330	+		
DUNMORE	KC8CSE	444.275	+	123.0	☺
FAIRMONT	W8SP	443.875	+		
FLATWOODS	KC8SDN	443.075	+	123.0	
FLATWOODS	W8FES	444.200	+		☺
GASSAWAY	AB8WB	444.675	+	T123.0	
GILBERT	KB8PCW	442.725	+	T	
GLENVILLE	KA8ZXP	444.325	+		
HERNSHAW	WB8CQV	444.700	+	203.5	
HUNTINGTON	WA4GSS	421.250	+		
HUNTINGTON	N8HZ	443.000	+		
HUNTINGTON	KB8TGK	443.850	+	T88.5	
HUNTINGTON/CHAS	WB8ZER	444.850	+	T131.8	☺
HURRICANE	K8OJC	444.075	+		
KENOVA	KC8PFI	443.600	+	162.2	
KEYSER	N8RCG	444.125	+	103.5	☺
LEWISBURG	KF8FO	444.725	+	T103.5	
LOGAN	NV8H	444.900	+	PROP	☺
MORGANTOWN	K8LG	444.700	+		
MORGANTOWN	W8CUL	444.800	+		☺
MULLENS	KC8IT	444.000	+		
OAK HILL	KA8OTX	443.800	+		
PARKERSBURG (OH)	N8ILO	444.100	+		
PENNSBORO	WB8NSL	442.850	+	T103.5	
PRINCETON	KB8UJG	443.700	+	T123.0	☺
RICHWOOD	K8VKB	442.275	+	123.0	
RICHWOOD	KC8SDN	443.375	+	T123.0	
RICHWOOD	KB8YDD	443.475	+		
RICHWOOD	KC8AUY	443.575	+	T	
RICHWOOD	KC8SDN	443.625	+	T123.0	
ROCKPORT	N8LHL	443.350	+	T123.0	
SHIRLEY	KB8TJH	444.425	+	T	
SO. CHARLESTON	WB8CQV	444.950	+	203.5	
ST. ALBANS	K8MHR	443.150	+		
WELCH	N8SNY	443.725	+		
WESTON	N8FIP	443.975	+		
WESTON	KA8TCF	444.600	+		
WHEELING	KB8QHO	421.250	+		
WHEELING	KA8YEZ	443.025	+	77.0HZ	☺
WHEELING	N8EKT	444.975	+		

Limited FULL MEMBERS FROM NON-SERA STATES

10 METERS

CHESTER, PA	W3PS	29.520	+	T156.7	☺

6 METERS

CONCORD, NH	KA1OKQ	53.590	-	71.9	☺

2 METERS

CHESTER, PA	W3PS	147.315	+	TT156.7	☺
CONCORD, NH	KA1OKQ	147.225	+	T100.0	☺
DELAND, FL	KD4UTV	147.045	+	T103.5	☺
HUNTSVILLE, AL	N4HSV	146.940	-		☺
HUNTSVILLE, AL	W4VM	147.100	+		☺
OCEAN CITY, NJ	W3PS	147.285	+	T156.7	☺
VINELAND, NJ	AA2LD	147.135	+	T156.7	☺
WINCHESTER, VA	W4RKC	146.820	-		☺

220 MHZ

CHESTER, PA	W3PS	224.960	-	T156.7	☺
CONCORD, NH	KA1OKQ	224.800	-	T103.5	☺
EAGLEVILLE, PA	W3PS	224.680	-	T156.7	☺
MILLVILLE, NJ	AA2LD	223.960	-	T156.7	☺
OCEAN CITY, NJ	W3PS	223.980	-	T156.7	☺
POTTSTOWN, PA	W3PS	224.400	-	T156.7	☺

440 MHZ

CHESTER, PA	W3PS	443.050	+	T156.7	☺
CONCORD, NH	KA1OKQ	448.775	-	T82.5	☺
HUNTSVILL, AL	KE4LRX	443.475	+		☺
HUNTSVILLE, AL	W4XE	444.300	+		☺
MADISON, VA	N8HON	444.400	+		☺
MCKINNEY, TX	KF5TU	442.350	+	T100.0	☺
PEMBROKE, NH	KA1OKQ	444.150	+		☺
PETERBORO, NH	KA1OKQ	443.350	+	T110.9	☺

900 MHZ

CHESTER, PA	W3PS	927.4875	-		☺
EAGLEVILLE, PA	W3PS	927.5125	-		☺
OCEAN CITY, NJ	W3PS	927.5375	-		☺

1270 MHZ

CHESTER, PA	W3PS	1240.000	+		☺

SYMBOLS: ☺ = Full Member SERA T = Tone Accessed (plus tone freq)
and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

SERA REPEATER INDEX LISTINGS BY FREQUENCY

10 METERS

29.6200 / 29.5200
W3PS CHESTER, PA .....156.7 ZZ

29.6000 / 29.6000
W4CM NEWPORT NEWS ..... VA

29.52 0 / 29.6200
KF4XH #MACON ..... GA

29.5200 / 29.6200
KQ4XL MONROE ..... GA
K4XYZ BUCKHORN LAKE .....103.5 KY
KC4XE WILKESBORO ..... NC
WB4IUY ZEBULON ..... NC
W4ZJM MEMPHIS .....*# TN
AJ4D TELLICO PLAINS .....141.3 TN
KA8OTX BECKLEY ..... WV

29.5400 / 29.6400
KK4CZ LOUISVILLE ..... KY
KB5MPW BAY SAINT LOUIS .....136.5 MS
KE4QOX HIGH POINT .....103.5 NC
W4CAT GALLATIN/BNA .....107.2 TN
WB4NKM GREENEVILLE ..... TN
WB8CQV CHARLESTON .....203.5 WV

29.5600 / 29.6600
WR4MG WARNER ROBINS ..... GA
K4GRW NEWPORT ..... NC
N4JEH ROCKY MOUNT ..... NC
W4GL SUMTER ..... SC
KE4QOX FANCY GAP .....123.0 VA
WA8YWO RICHWOOD .....100.0 WV

29.5800 / 29.6800
AI8H CONYERS ..... GA
N4BZJ DALTON ..... GA
KB0Y VALDOSTA .....141.3 GA
KA4UHL INGLE .....146.2 KY
WW4DC THOMASVILLE .....88.5 NC
N8ITF SPRINGFIELD ..... TN
KE4QOX BECKLEY .....88.5 WV

6 METERS

52.5500 / 51.5500
WB4JEH #CONYERS .....151.4 GA

51.2000 / 51.7000
WA4YNZ #CUMMING ..... GA

51.2400 / 51.7400
KI4AWK THOMASVILLE ..... GA

51.4400 / 51.9400
KC5BMJ KINGSLAND .....82.5 GA

53.0250 / 52.0250
WB4LBR LOUISVILLE ..... KY

52.0100 / 53.0100
W4MAZ COCHRAN .....77.0 GA
WA4YNZ #ROSWELL ..... GA
KC4QK ASHLAND .....107.2 KY
N5EKR ELLISVILLE ..... MS
KE4QOX THOMASVILLE .....88.5 NC
N4FV GREENEVILLE .....100.0 TN
WA4KOG MEMPHIS ..... TN
WA4BGK NASHVILLE .....114.8 TN
KI4ZR LEXNGTN/ROCK MT..... VA

52.0300 / 53.0300
W4WTA AUGUSTA ..... GA
K4ITL RALEIGH ..... NC
AB4OE BLACKSBURG .....123.0 SC
KF4FTD MORRISTOWN ..... TN
KC8POU CULLODEN .....123.0 WV

52.0500 / 53.0500
KC4JNN BISKEY MT. .....100.0 GA
AB5MU NETTLETON .....192.8 MS
N4JEH ROCKY MOUNT ..... NC
WA4PXV SPRUCE PINE .....151.4 NC
K4SHP MYR BCH/AYNOR ..... SC
WA4BGK GALLATIN .....114.8 TN

52.0700 / 53.0700
WB4AEG CARTERSVILLE .....123.0 GA
KB4PTJ WILLIAMSBURG .....100.0 KY
KD4FWS MT.AIRY/FANCY GP.....100.0 NC
KB4MIC GUM SPRING .....203.5 VA

52.0900 / 53.0900
KD4DKW ATL/MARIETTA .....151.4 GA
N4ALG NICHOLASVILLE .....103.5 KY
KF4IXW REELSBORO .....162.2 NC
K4NOC BISHOPVILLE ..... SC
KD4PBC SEVIERVILLE ..... TN
NO4Q WAVERLY ..... TN
WB8BON ROANOKE/POOR MT ..... VA

52.1100 / 53.1100
W4GR LAWRENCEVILLE .....82.5 GA
KC4YOT GASTONIA ..... NC
KD4BGD LUMBERTON ..... NC
K4SER TARBORO ..... NC
WD4GYN OAK RIDGE ..... TN
N8CQQ FLATWOODS ..... WV

52.1300 / 53.1300
N4BZJ DALTON ..... GA
N4EQT LAWRENCEBURG .....107.2 KY
W4FOT HENDERSONVILLE .....100.0 NC
KG4IBW DRESDEN .....107.2 TN
W4HFH ALEXANDRIA ..... VA
WB4GJG DANVILLE(DCC) ..... VA

52.1500 / 53.1500
KA5WZY ATLANTA ..... GA
K4USC UNION ..... SC
WB4IOB KNXVL/ENG MT ..... TN
N5YKR LEXINGTON .....100.0 TN
N8ITF SPRINGFIELD ..... TN
N4CH BEDFRD/THAX MT ..... VA

52.1700 / 53.1700
WW4DC THOMASVILLE .....88.5 NC
K4BGW LAFOLLETTE ..... TN
KE4SFU RICE ..... VA
N8FWL BECKLEY .....123.0 WV

52.1900 / 53.1900
W4BAD RALEIGH ..... NC
KN4AS LITTLE MOUNTAIN .....156.7 SC
W4AUCE COOKEVILLE ..... TN
WV8BD ALDERSON ..... WV

52.2100 / 53.2100
N1KDO MARIETTA .....79.7 GA
N4QLX SAURATOWN MT ..... NC
AD4U ORANGEBURG ..... SC
N4WWB GATE CITY ..... VA
AB8WB GASSAWAY .....123.0 WV

52.2300 / 53.2300
KD4BDB WARM SPRINGS .....97.4 GA
KD4JFN PITTSBORO .....107.2 NC
KA4ZKL GUTHRIE (TN/KY) ..... TN
KQ4E MORRISTOWN ..... TN

52.2500 / 53.2500
KF4BMG MARIETTA .....79.7 GA
WA4YON #KNOXVILLE ..... TN
KT4QW NEWPORT NEWS .....100 VA
N4CH ROANOKE ..... VA

52.2700 / 53.2700
KC4CBQ HIAWASSEE .....186.2 GA
KA4UHL NANCY .....100.0 KY
WD4BQW ASHEVILLE ..... NC
N5CWH LEESVILLE .....162.2 SC
WD4KZK ROCKY MT/FERRUM .....107.2 VA

52.2900 / 53.2900
K4PLM #PINE LOG MT. .....198.2 GA
KF4UAQ LOUISVILLE ..... KY
KF4SXO CHESTER ..... SC
WA4COK FANCY GAP .....100.0 VA

52.3100 / 53.3100
AB4JJ WEST JEFFERSON .....100.0 NC
K4SER WILLIAMSTON ..... NC
KG4BZN WALTERBORO .....123.0 SC
KB8TJH SHIRLEY ..... WV

52.3300 / 53.3300
KD4FVI CRAWFORD .....88.5 GA
AD4CC HIGHLAND HEIGHTS .....123.0 KY
W4TLP CLINTON ..... NC
K4DHT MOUNTAIN CITY .....100.0 TN
KB4IDC MT. JULIET .....100.0 TN
KC8CSE SNOWSHOE .....156.7 WV

52.3500 / 53.3500
WR4AMS DORTON ..... KY
WR4BEG SOPHIA/RANDLEMAN..... NC
K4VCM CHATTANOOGA ..... TN

52.3700 / 53.3700
W4ZO MONROE .....100.0 NC
KD4MYE YOUNGSVILLE ..... NC
KC4PDQ MARYVILLE ..... TN
N8RIG BLUEFIELD ..... VA

52.3900 / 53.3900
KF4XH #MACON ..... GA
KE4RKF WAYNESBURG .....100.0 KY
AB4JJ WEST JEFFERSON .....100.0 NC
WB3R AMELIA ..... VA

52.4100 / 53.4100
WA1YYN EFLAND .....107.2 NC
KO4MZ GVL/CSR'S HEAD .....131.8 SC

52.4300 / 53.4300
KR4OL #MACON ..... GA
N7BBW LOUISVILLE .....151.4 KY
AD4DN #WILMINGTON .....88.5 NC
K4GX KINGSPORT ..... TN
KD4SUU CHESTERFIELD ..... VA
KG4KUA VESTA .....107.2 VA

52.4500 / 53.4500
WD4OVN #PINE LOG MT ..... GA
KC5PIA LAUREL ..... MS
W4UNC CHAPEL HILL .....107.2 NC
NO4Y MONTEAGLE MTN .....114.8 TN
K8GP BULLRUN ..... VA

PLEASE NOTE

The Repeater Journal lists subtones used on repeaters ONLY if they are requested to be listed by the sponsor or owner. The listing of a subtone on any repeater does not in any way indicate it being a "closed" repeater. In most cases, the tones are used to eliminate noise problems and are listed at the owners request for users convenience.

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

52.4700 / 53.4700
W5PFC JACKSON 77.0 MS
KF4BJO GAFFNEY SC
KB4REC KNOXVILLE TN
KE4JYN PEARISBURG 107.2 VA

52.5500 / 53.5500
WB4JEH CONYERS 151.4 GA
N4OQJ KNOXVILLE 100.0 TN
K4RDK MEMPHIS TN

52.5700 / 53.5700
KD4AOZ WATKINSVILLE 123.0 GA
KE4LGL LEXINGTON KY
KE4KEH LYNCHBURG 103.5 VA

52.5900 / 53.5900
KF4QDS KVILLE/HIPOINT 103.5 NC
KF4IWA MOUNTAIN REST SC
WB8YST BECKLEY 107.2 WV
KA1OKQ CONCORD, NH 71.9 ZZ

52.6300 / 53.6300
AB4JJ MT MITCHELL 100.0 NC
WB8YST CHARLESTON 107.2 WV

51.1400 / 53.6500
KB5MPW BAY SAINT LOUIS 136.5 MS

52.6500 / 53.6500
KB4YFV WHITE TOP MTN VA

51.2000 / 53.7100
KE4OVN LANEVIEW 107.2 TN

52.7100 / 53.7100
KD4YWB ROBBINSVILLE 167.9 NC
WB8YST RICHWOOD 107.2 WV

52.7300 / 53.7300
KF4CXL MCINTYRE 77.0 GA
K4XYZ BUCKHORN LAKE 100.0 KY
WD4OAR GEORGETOWN 192.8 TN

52.7500 / 53.7500
KK4MC SUMMERVILLE 127.3 GA
W4YWH HIGHLAND HEIGHTS 123.0 KY
WA4PXV AIR BELLOWS GAP NC
W4BAD DURHAM NC
K4GX #ROGERSVILLE 114.8 TN
N8PEI MARMT/CHARLSTN 141.3 WV

52.7700 / 53.7700
W4GL SUMTER SC
W4BBB KNOXVILLE/RACK 100.0 TN
N4TZE BEDFORD/THNDR 173.8 VA

52.7900 / 53.7900
WR4MG WARNER ROBINS GA
WA4NC BOONE 100.0 NC

52.8100 / 53.8100
WD4KNE #STANTON KY
W4EBM #FAYETTEVILLE NC

52.8500 / 53.8500
K4TDO HAZARD KY

52.8700 / 53.8700
KC8PFI KENOVA 91.5 WV

52.8900 / 53.8900
KB0Y LAKE PARK 141.3 GA
WB4HJG LULA 82.5 GA
WA4OHX HAMPTON VA

52.9100 / 53.9100
KE4ZJT LONDON 100.0 KY

52.9300 / 53.9300
W4GMM MEMPHIS 107.2 TN
KC8LRN LEWISBURG 131.8 WV

52.9500 / 53.9500
WB4WSB LAGRANGE KY

52.9700 / 53.9700
N4DAJ MT. AIRY 100.0 NC

2 METERS

144.5100 / 145.1100
KK4HL AUGUSTA GA
N4MXC COCHRAN 107.2 GA
KR4HV DOUGLASVILLE 88.5 GA
KC4UPE LEESBURG 192.8 KY
KD5AXY FLORENCE MS
W5WA VANCLEAVE 123.0 MS
W4PCN KILL DEVIL HILLS 131.8 NC
N4GSM ROBBINSVILLE 151.4 NC
KD4MYE YOUNGSVILLE 88.5 NC
WZ4SC FORT MILL SC
W4GS MYR BCH/CONWAY SC
KK4TD COOKEVILLE TN
WM4T GRAY TN
KF4OID MOSCOW 107.2 TN
N4ARK NASHVL/FAIRVIEW 151.4 TN
K4YPE RICHMOND VA
N8RV FROST 107.2 WV
K8SA SALT ROCK 110.9 WV

144.5300 / 145.1300
K4SEX NEWNAN 156.7 GA
WR4SG VALDOSTA 141.3 GA
N4UL LOUISVILLE AREA 151.4 KY
KJ4VF MOREHEAD 100.0 KY
WB4YNF #AHOSKIE 131.8 NC
N4VL MT. AIRY 103.5 NC
W4RNC RALEIGH 82.5 NC
W4JAK GREENWOOD SC
K4JR SUMTER SC
K4CMY CHATTANOOGA TN
KA4OAK LAFOLLETTE TN
KF4ATY MEMPHIS 107.2 TN
KC4WPS NASHVILLE 114.8 TN
N8OYY GLENVILLE 103.5 WV

144.5500 / 145.1500
K4TWG BACONTON GA
W4AQL GA TECH 167.9 GA
KF4CXL MCINTYRE 77.0 GA
KG4CCW LOUISVILLE 141.3 KY
KY4JW MONTICELLO 100.0 KY
AD4BI PIKEVILLE 107.2 KY
KE5LT PICAYUNE MS
K2IMO ELM CITY 88.5 NC

W4GSO GREENSBORO 100.0 NC
KA0BX HATTERAS ISLAND 131.8 NC
W4LBT #LUMBERTON NC
N4LWY SUMMERTON SC
K4USC UNION SC
KG4FZR ATHENS 141.3 TN
W4XS FRANKLIN TN
K4ARO GREENBAY VA
N3ZE RADFORD/RINER VA
K8VE PHILIPPI 103.5 WV

144.5700 / 145.1700
WA4DIW JONESBORO GA
W8PRH HALLS GAP KY
W5JWX RAYMOND 77.0 MS
K4CCR ANDSN MT/DENVER 88.5 NC
N4JDW WILMINGTON 88.5 NC
KY4S AIKEN SC
K4NOC BISHOPVILLE 123.0 SC
WF4Q BRUCETON 107.2 TN
WB4GBI KNOXVILLE TN
WB4LHO MURFREESBORO TN
WA4ZUA NORFOLK 136.5 VA
WV8B BECKLEY/BOLT MT 100.0 WV

144.5900 / 145.1900
W4CBA GAINESVILLE 131.8 GA
WA4EQL JESUP GA
WB4ULJ PINE MT/HAMILTON GA
KB4SQI SALYERSVILLE 127.3 KY
K5YD BOONEVILLE 110.9 MS
W5CJR HATTIESBURG 136.5 MS
KA4SQN JACKSONVILLE NC
WA4BVW MT MITCHELL NC
K4GWH RALEIGH 156.7 NC
N4OTT CARTHAGE TN
KD4XV JASPER 127.3 TN
N4ZKR NEWBERN 100.0 TN
WB3R AMELIA VA
WB8YJJ RICHWOOD WV
KA8YEZ WHEELING 156.7 WV

144.6100 / 145.2100
KC4RRO EASTMAN GA
WA4EPK FAYETTEVILLE 131.8 GA
W8PRH LEXINGTN/GRGTWN KY
W5SAR #WAYNESBORO MS
K4OLC HIGH PEAK MTN 94.8 NC
WB4TQD TRENTON NC
KG4LAP SMOAKS SC
W2GLJ GERMANTOWN TN
W4BBB KNOXVILLE/RACK 100.0 TN
N4ARK NASHVILLE TN
K4QZJ HIGH KNOB MT VA
N2EDE ROANOKE 107.2 VA
WB8FEQ HUNTINGTON 162.2 WV

144.6300 / 145.2300
WB4JEH CONYERS 151.4 GA
W4DRC DALTON GA
K4BR WAYNESBORO GA
W8PRH LOUISVILLE KY
W4KBL PRINCETON 103.5 KY
KG4GQC WEST LIBERTY 107.2 KY
W5NRU ELLISVILLE 136.5 MS
KC5VZI #NEW ALBANY MS
N4VBH BEULAVILLE NC
W4UNC CHAPEL HILL 107.2 NC
W4BFB CHARLOTTE NC
KG4AQH GRELLEYVILLE SC
W4CAT LAVERNE TN
KB4KIE MAYNARDVILLE TN
KE4NTL RIPLEY 100.0 TN
N4CH BEDFORD VA
W4MT NEWPORT NEWS 100.0 VA
N8FWL BECKLEY/OAK HILL 100.0 WV
N8FMD ELKINS 103.5 WV

144.6500 / 145.2500
N4YYD CHATSWORTH 71.9 GA
KF4CXL MCINTYRE 136.5 GA
W4XY LEXINGTON 110.9 KY
W4GG GREENSBORO 88.5 NC
WA4USN CHARLESTON 123.0 SC
WA4UKX SIMPSONVILLE 123.0 SC
KT4WS DOVER 100.0 TN
W4NKW ERWIN/PINNACLE TN
N4ER MEMPHIS 146.2 TN
KD8XK BLUEFIELD 100.0 VA
KQ4RH MONTPELIER VA

144.7500 / 145.2500
KC4QLP ELIZABETH CITY 131.8 NC

144.6700 / 145.2700
KT4X SANDERSVILLE 77.0 GA
K4AIS WALESKA/PNLG MT 100.0 GA
N4KJU PAINTSVILLE 127.3 KY
KD4BOH ROCKPORT 77.0 KY
N5NBG WALLS 162.2 MS
KB5DZJ WIGGINS 136.5 MS
K4ITL ASHEBORO 82.5 NC
K4ROK FARMVILLE 131.8 NC
WA4KNI HENDSVL/BERWLW NC
N7GZT COLUMBIA 162.2 SC
W4SRX MONTEREY 123.0 TN
KD4CLA PIGEON FORGE 100.0 TN
N8FMD BIRCH RIVER 103.5 WV

144.6900 / 145.2900
W4IBM ATLANTA 88.5 GA
W4DV AUGUSTA 100.0 GA
WR4MG PERRY 107.2 GA
AC2DC LOUISVILLE 151.4 KY
N4VOS STANTON KY
WJ5L VICKSBURG MS
W4BFB CHARLOTTE NC
WN3X COINJOCK 131.8 NC
NC4AR HIGH POINT 88.5 NC
WA4WPD NASHVILLE 107.2 NC
W4GS MYRTLE BEACH 85.4 SC

KU4ZS PUMPKINTOWN 123.0 SC
W4AM CHATTANOOGA 118.8 TN
KF4ZQA ELIZTON/HOLS MT 100.0 TN
K4DXC RIDGETOP 114.8 TN
WF4Q SHILOH 107.2 TN
N4UTN RUSTBURG VA
WB8WV GLENVILLE 91.5 WV

144.7100 / 145.3100
W4FIZ COLUMBUS 123.0 GA
KB4JF NASHVILLE 141.3 GA
WA4JDR STOCKBRIDGE GA
KC4KZT DAVID KY
WB5GOJ CHATAWA MS
W4NGH BAKERSVILLE NC
N4LEX #LEXINGTON 88.5 NC
K4ITL ROSEBORO NC
W4IAR BEAUFORT SC
W4CHR CHESTER SC
WA4PNI ATHENS 141.3 TN
KF4SC JACKSON TN
KC4ECD LAFAYETTE 151.4 TN
KD4KWP CHESTERFIELD VA
N8FCJ BECKLEY/LAYLAND 100.0 WV
KB8TJH SHIRLEY WV

144.7300 / 145.3300
KF4ODQ EASTMAN 77.0 GA
WA4OGE JONESBORO GA
N4XGI ST SIMONS ISLAND 131.8 GA
KF4INN VERSAILLES KY
K5DMC KILN MS
KI4RK EMERALD ISLE 88.5 NC
KI4RK GOLDSBORO 100.0 NC
N4VRD MOUNT AIRY 100.0 NC
KF4JVI TRYON NC
WA4DFP BAMBERG SC
WT4E COLLIERVILLE 107.2 TN
WD4DBJ CUMBERLAND CITY TN
WA4TEM KNOXVILLE TN
KE4ZBH FARMVILLE VA
W4VB NORFOLK VA
WR8M WILLIAMSON 100.0 WV

144.7500 / 145.3500
W4DOC ATLANTA 146.2 GA
W4GTA LOOKOUT MT 100.0 GA
KD4MFS OCILLA GA
AI4HB RADCLIFF 173.8 KY
N4DRL BYHALIA MS
N5ZMZ UTICA MS
WA4AOS CHARLOTTE NC
WD4JPQ GREENVILLE 131.8 NC
KE4OVN GREENFIELD 107.2 TN
WD4JYD NOLENSVILLE 114.8 TN
KB4PNG ONEIDA 77.0 TN
NA4ZJ BLAND 103.5 VA
W4HCH SOUTH BOSTON VA
W8RJC CHARLESTON 91.5 WV
W8SP FAIRMONT 103.5 WV

144.7700 / 145.3700
AA4UA AUGUSTA GA
KB4IZF JASPER 100.0 GA
W4BKM MACON 88.5 GA
KE4YVD RICHMOND 192.8 KY
K5UX HATTIESBURG 136.5 MS
N5PYQ SOUTHAVEN 107.2 MS
W4HF N. WILKESBORO 94.8 NC
KF4PRD SHALLOTTE 118.8 NC
K4ILT HOLLY HILL 103.5 SC
KB4KIE KNOXVILLE TN
WR3S NASHVILLE TN
W4HZL GLOUCESTER VA
KC4RBA LYNCHBURG 186.2 VA
WV8BD BECKLEY/EOC WV
K8VNQ PARSONS 118.8 WV

144.7900 / 145.3900
K4HYB GRIFFIN/CENAR 88.5 GA
KC4KAN BERTHA 179.9 KY
N4EQT LAWRENCEBURG 107.2 KY
KC8FKP SO. PORTSMOUTH 136.5 KY
KB5KGE JACKSON MS
NC4UC MONROE/UCARS 94.8 NC
WB4TQD RALEIGH 82.5 NC
KG4BZN WALTERBORO SC
W4AM CHATTANOOGA TN
W4WC GREENEVILLE TN
KE4EUE COLONIAL HEIGHTS VA
W4POX PORTSMOUTH 100.0 VA
K4ARO ROANOKE/POOR MT 107.2 VA
AI4UK #LENORE WV
WD8EOM WESTON WV

144.8100 / 145.4100
W4PME ATLANTA/BELL 100.0 GA
K4KNS AUGUSTA GA
WA4MXO JACKSON KY
KK4CZ LOUISVILLE 151.4 KY
N4XO CHINA GROVE 136.5 NC
K4SER JAMESTON 131.8 NC
WA4USN CHARLESTON AR SC
N4VIH DOVER 123.0 TN
K4MFD GREENEVILLE 173.8 TN
K5FE MEMPHIS 107.2 TN
NQ4Y MONTEAGLE MTN 114.8 TN
KF4ADM WILLIAMSBURG 127.3 VA
N8FHE BUCKHANNON WV
WV8AR RED HOUSE 123.0 WV
W8IFL UNION 100.0 WV

144.8300 / 145.4300
K4LCI ATLANTA GA
WA9RNZ JESUP 118.8 GA
AA4RI MACON GA
AC4RS ELKTON 77.0 KY
KF4CBT WINCHESTER 203.5 KY
KX5E GLOSTER 136.5 MS
KU4W RAEFORD 100.0 NC

K4QFQ SPARTA/GREEN MT NC
K4JR SUMTER 156.7 SC
WF4Q BROWNSVILLE 107.2 TN
WA4JCE COOKEVILLE TN
WB4YLC KNOXVILLE TN
AD4OV COEBURN 103.5 VA
W4SQT RICHMOND VA
WB8YST CHARLESTON 107.2 WV
K8LG MORGANTOWN WV

144.8500 / 145.4500
W4BOC DECATUR GA
KG4FEJ ROCKFIELD 136.5 KY
WX5P FULTON MS
W5PPB SHARON 77.0 MS
WR4AGC DURHAM NC
WD4LCF GASTONIA NC
K4GRW #NEWPORT NC
WD4EOG CLEMSON UNIV SC
W4ZKM SAVANNAH RIVER 123.0 SC
K4SIR BENTON TN
WA4KOG MEMPHIS TN
KQ4E MORRISTOWN TN
KF4GHD #MT PLEASANT 127.3 TN
KA4THY ROANOKE 107.2 VA
AA4HQ SALUDA VA
N8LGY MT. ZION 107.2 WV
K8KRS WELCH WV

144.8700 / 145.4700
KD4HMH BONAIRE GA
KG4OGC RICEBORO GA
N4CLA SWEAT MT/MARIETT NC
WB4GGH BARDSTWN/NELSN 151.4 KY
K4NLT HUEYSVILLE 79.7 KY
KF4BRO MAYSVILLE 107.2 KY
WB8VYH #ABBEVILLE 107.2 MS
W4OIX WINSTON 88.5 NC
W4NC SAURATOWN MT 100.0 NC
WB4BLI GAFFNEY 141.3 SC
KI4CB MYR BCH/CONWAY SC
WB4GBI KNOXVILLE TN
KF4RBR MOUNTAIN CITY 103.5 TN
N4ARK NASHVILLE TN
N4ZCM SOUTH HILL VA
N8YHK SUMMERSVILLE 100.0 WV

144.8900 / 145.4900
W4DV AUGUSTA GA
KA4WUJ CORDELE 103.5 GA
W4LMA MARIETTA 88.5 GA
W4KVK HENDERSON KY
WB4CWF LEXINGTON KY
N5VGK TUPELO MS
NT4K FRANKLIN NC
WB4IKY GIBSONVILLE 107.2 NC
KF4LUC HICKORY 94.8 NC
W4BWC RALEIGH 82.5 NC
WA4PE CHEROKEE TN
WA4KOG BRADEN TN
WB4LHO MCMINVL/SHT MT TN
K4CQ AMHERST 136.5 VA
W8MOP BLUEFIELD VA
WA4OHX HAMPTON VA
WV8G PARKERSBURG WV

146.9950 / 146.3950
WB8SHH #MONTECELLO 88.5 KY

146.0100 / 146.6100
W4CVY COLUMBUS GA
WB4JEH CONYERS 151.4 GA
WD4KWV CORBIN KY
KC4FRA MADISONVILLE KY
W5LAR LAUREL MS
W4EWN NEW BERN 100.0 NC
WB4TOP RALEIGH 131.8 NC
KF4QDS THOMASVILLE 123.0 NC
KC4WIF ELLOREE 118.8 SC
W4NYK GRNVL/CSRS HD SC
WA4AM CHATTANOOGA TN
WA4PCD NASHVILLE TN
K4JP ABINGDN/BRMLY MT VA
W4CAR CHESAPEAKE VA
W4WWQ LYNCHBURG 136.5 VA
WB8MZI GASSAWAY WV

146.0250 / 146.6250
W4ZT ATL/UNION CITY 100.0 GA
N4UJT ELBERTON GA
K4HAO VIDALIA GA
KA4VHY PAYNEVILLE 151.4 KY
KC5ULN COLUMBUS MS
KE5WO PORT GIBSON MS
K4USB BUXTON 131.8 NC
KI4RR LAURINBURG NC
KF4SXO CHESTER SC
WB4VXX CORNERSVILLE 107.2 TN
WB4GBI KNOXVILLE 100.0 TN
W4UTM MARTIN 107.2 TN
K4SVA JARRATT I-95 100.0 VA
WV8B MT TOP/WINTRPL 100.0 WV

146.0400 / 146.6400
WB4QGR #ATLANTA GA
W4FWD CARROLLTON 131.8 GA
AE4PO WAYCROSS 141.3 GA
WA4UXJ CANE VALLEY KY
K5XU MADISON MS
WB5NAY MOOREVILLE MS
WB4YAO HENDERSONVILLE 91.5 NC
W4DW RALEIGH NC
W4NC WINSTON-SALEM 100.0 NC
W4GL SUMTER SC
KA4QYI HARRIMAN 100.0 TN
WB4KQQ MEMPHIS TN
AF4TZ NASHVILLE 114.8 TN
W4WIC FINCASTLE VA
N4QLF MARION 103.5 VA
WB4QEY RICHMOND VA

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

N8HZ HUNTINGTON/CHAS ..... WV
146.0550 / 146.6550
N4NFP ATLANTA/MARIETTA .....151.4 GA
W4WSM BOWLING GREEN-SO..... KY
WD4DZC DANVILLE ..... KY
K4CUW PADUCAH ..... KY
KC5ZZH MERIDIAN ..... MS
K4CEB CONCORD/KANNAP. ..... NC
WA4VTX ELIZABETH CITY .....131.8 NC
KD4KOJ BEAUFORT ..... SC
N5CWH LEESVILLE .....162.2 SC
K4SHP SC
KI4BXI BROWNSVILLE ..... TN
W4RDM LAWRENCEBURG ..... TN
W4OLB MARYVILLE/ALCOA ..... TN
WA4ISI ALTAVISTA ..... VA
N8ZPX FLATWOODS .....123.0 WV
N8SNW IAEGER .....203.5 WV
146.0700 / 146.6700
W4ABP GAINESVILLE .....131.8 GA
KF4SJO HAZARD ..... KY
WA4FOB LARUE .....77.0 KY
W4KBL PRINCETON ..... KY
W5UBG NEW ALBANY ..... MS
KB5ZCX PURVIS ..... MS
K4FHB BURLINGTON ..... NC
K4OI FOREST CITY .....114.8 NC
AD4DN WILMINGTON .....88.5 NC
AD4U ST. MATTHEWS .....156.7 SC
W4UD BRISTOL ..... TN
K4BGW LAFOLLETTE ..... TN
AF4TZ NASHVILLE .....114.8 TN
W4CBM DUBLIN ..... VA
KG4NJA HAMPTON .....173.8 VA
KD4DDI PAGECO ..... VA
WD8JNU RAVENSWOOD ..... WV
146.0850 / 146.6850
K4NGA ADAIRSVILLE .....167.9 GA
WA4EPK DARIEN ..... GA
K4KZY FAYETTEVILLE ..... GA
KF4NQ GEORGETOWN .....107.2 KY
N4WJS OWENSBORO .....110.9 KY
W5KHB NATCHEZ .....100.0 MS
W4NBR GRIFTON .....88.5 NC
W4SNC STATESVILLE ..... NC
K4USC UNION ..... SC
KF4ARH WALLAND .....88.5 TN
WA1ZMS BEDFRD/APL ORCH .....100.0 VA
N8FMD CLARKSBURG .....103.5 WV
WB8NAM DANVILLE ..... WV
146.1000 / 146.7000
W4MM ALBANY ..... GA
K4UFO JASPER ..... GA
KD4BWK LAGRANGE .....141.3 GA
WB4DOJ MILLEDGEVILLE .....67.0 GA
K4NLX SAVANNAH .....100 GA
KY4KY BROOKS .....151.4 KY
KD4DZE GRAYSON .....107.2 KY
KB5MPW BAY ST. LOUIS ..... MS
W5LV GRENADA ..... MS
W5FO MERIDIAN ..... MS
N4CID DUNN ..... NC
W4PAX #LANCASTER ..... NC
WT4F PICKENS .....107.2 SC
KF4BVQ ANDERSON CTY .....100.0 TN
W4UOT MANCHESTER .....114.8 TN
WB4MMI RAMER .....107.2 TN
WA4YGM UNION CITY ..... TN
K4AU DANVILE/WHT OAK .....107.2 VA
KF8PT NORFOLK ..... VA
KD4WWF STAUNTON .....131.8 VA
KC8AFP BECKLEY .....123.0 WV
146.1100 / 146.7100
KF4FO HOPKINSVILLE ..... KY
146.1150 / 146.7150
K4NVG LAVONIA .....100.0 GA
W4ABZ RINGGOLD .....67.0 GA
KF4OFT BEREA .....100.0 KY
KY4HC HAWESVILLE .....136.5 KY
KA5TQY GREENWOOD ..... MS
KD4JFN HAW RIVER .....107.2 NC
N4GGN MILLERS CREEK .....94.8 NC
WB4NEP COLUMBIA ..... SC
KB4JUB SALTILLO ..... TN
W9KIC BLACKSBURG ..... VA
W4TTL WALKERTON ..... VA
146.1300 / 146.7300
W4MM ALBANY ..... GA
KD4NC ATLANTA/SWEAT MT ..... GA
K4TVE BRUNSWICK ..... GA
WR4DH MACON .....100.0 GA
AC4AO LEXINGTON ..... KY
AA4NI #NEBO ..... KY
KC5IF BILOXI ..... MS
KD5GVU STARKVILLE .....210.7 MS
KC5TGT UTICA .....77.0 MS
W4BWC RALEIGH .....82.5 NC
W4EXU SALISBURY .....94.8 NC
N4ILM WILMINGTON ..... NC
K4NAB N. AUGUSTA ..... SC
WA4UKX SIMPSONVILLE .....100.0 SC
WB4IOB KNXVL/ENG MT ..... TN
KE4LFZ MEMPHIS .....107.2 TN
K4EHL WATERTOWN .....100.0 TN
W4QR HAMPTON ..... VA
WB8SPW LEWISBURG .....100.0 WV
146.1450 / 146.7450
KD4QHB ATHENS ..... GA
K4WOC CALHOUN .....100.0 GA
AF4VH SPRINGFIELD .....97.4 GA
WA4TTC GREENVILLE ..... KY
KD4RTR MILLARD .....141.3 KY
KC5VZI #NEW ALBANY ..... MS

KC4QPR MORGANTON .....94.8 NC
N4WFU ROANOKE RAPIDS .....131.8 NC
W4PDE DILLON/PEE DEE ..... SC
W4MV DYERSBURG ..... TN
KC4WHL HARRIMAN ..... TN
AA4YQ WARTBURG ..... TN
K4ROA ROANOKE/POOR MT .....107.2 VA
146.1600 / 146.7600
W4RRG LOOKOUT MT. .....67.0 GA
W4BQC STONE MT .....107.2 GA
WR4MG UNADILLA .....107.2 GA
KF4BJM VALDOSTA .....141.3 GA
K4KJQ LEXINGTON ..... KY
K4CUW PADUCAH ..... KY
W5AXQ JACKSON ..... MS
WA4BVW ASHVL/MT PISGAH ..... NC
K4GWH GREENSBORO .....156.7 NC
KB2XI SWANSBORO ..... NC
WB4THL WILSON .....131.8 NC
K4ESG CHARLESTON ..... SC
K4JP BRSTL/HOLSTN MT ..... TN
WA4PCD NASHVILLE .....114.8 TN
WA4TFZ CHARLOTTESVILLE .....151.4 VA
KB4ZIN WILLIAMSBURG ..... VA
W8VA HUNTINGTON .....131.8 WV
N4RAG LEWISBURG .....131.8 WV
W8CUL MORGANTOWN ..... WV
W8ZQ WHEELING ..... WV
146.1750 / 146.7750
N4NEQ MARIETTA .....151.4 GA
KB4NA WRENS ..... GA
KA4WZX MIDDLESBORO ..... KY
KJ4OG TOMPKINSVILLE ..... KY
AE4SK VANCEBURG ..... KY
KD5YTB CLEVELAND .....107.2 MS
K5PN HATTIESBURG .....136.5 MS
W4ZU HOLDEN BEACH .....100.0 NC
KD4RAA #RALEIGH .....88.5 NC
KG4WAD SALISBURY .....94.8 NC
KF4GHC FORT JACKSON .....156.7 SC
WF4Q JACKSON .....107.2 TN
W4JVO PULASKI/MUSIC MT ..... TN
AG4AN FOREST .....131.8 VA
WB3T WYTHEVILLE .....107.2 VA
KB8BWZ ELKINS ..... WV
146.1900 / 146.7900
KD4GEY FOLKSTON ..... GA
WD4KOW MOULTRIE ..... GA
K4SEX NEWNAN ..... GA
K4VYX SWAINSBORO ..... GA
W4YWH HIGHLAND HEIGHTS .....123.0 KY
KA4JNL NANCY .....100.0 KY
K5TYP BILOXI ..... MS
W4TLP CLINTON ..... NC
KG4ASL SAURATOWN MT .....107.2 NC
N4AW ANDERSON/SAS MT ..... SC
WA4USN CHARLESTON ..... SC
W4AM CHATTANOOGA ..... TN
W4ABR JOHNSON CITY ..... TN
W4KIB MEMPHIS .....107.2 TN
W4SQE NASHVILLE .....100.0 TN
N4SD CHESAPEAKE ..... VA
NM8T ANTANTA .....100.0 WV
146.2050 / 146.8050
K4PDQ MACON .....77.0 GA
KA4NNE GUTHRIE .....100.0 KY
W8PRH HAZARD ..... KY
KF5C STARKVILLE .....192.8 MS
K5IMT #VICKSBURG ..... MS
K4GNC GASTONIA/CRWDR ..... NC
W4DCG ROCKY MOUNT .....118.8 NC
KF4ATP ORANGEBURG .....156.7 SC
KF4TNP CORNERSVILLE .....114.8 TN
W4EYJ CROSSVILLE .....131.8 TN
WB4MMI SELMER .....107.2 TN
WA4HTI COVINGTON ..... VA
W4TTL MECHANICSVILLE ..... VA
147.0450 / 146.8050
KC4AQS JASPER .....100.0 GA
W4DJB CANTON ..... NC
KD4TC BIG "A" MTN .....103.5 VA
146.2200 / 146.8200
W4MM ALBANY .....141.3 GA
WD4DOC ATLANTA .....146.2 GA
K4HVK KIBBEE ..... GA
KF4DKJ DRAKESBORO ..... KY
W4CMR IRVINE .....192.8 KY
KA5LNY MAGEE .....100.0 MS
WB4PZA WILKESBORO .....94.8 NC
K4GMP WILMINGTON .....88.5 NC
KT4NZ CAMDEN .....131.8 SC
W4NYK GRNVLE/PARIS MT ..... SC
WB4OAH LAKE CITY ..... TN
W4BS MEMPHIS ..... TN
KB4PNG #ONEIDA ..... TN
W4UOT WINCHESTER ..... TN
W4CAR CHESAPEAKE .....162.2 VA
N4WWB GATE CITY ..... VA
WB8CQV CHARLESTON .....192.8 WV
K8VE GRAFTON .....103.5 WV
W4RKC WINCHESTER, VA ..... ZZ
146.2350 / 146.8350
KC4GSS #THOMSON ..... GA
KF4AWA SALVISA .....192.8 KY
WB4PLA ASHEVILLE ..... NC
KB4TOH COLUMBIA .....131.8 NC
W4USH WADESBORO ..... NC
KT4YW CHARLESTON ..... SC
KB4YTM HUNTINGDON ..... TN
W4LYR WATERTOWN .....100.0 TN
KK4EH GRUNDY/BIG A MT ..... VA
W4GSF KILMARNOCK .....173.8 VA
N4UTN RUSTBURG/LONG MT ....173.8 VA

KC8ECX COWEN .....110.9 WV
147.4350 / 146.8350
N4KHQ DAHLONEGA .....100.0 GA
W4KMU #HOPE MILLS ..... NC
KB4BPV THOMASVILLE .....88.5 NC
146.2500 / 146.8500
K4SDJ SAVANNAH ..... GA
WA4QRT WARNER ROBINS ..... GA
KM4IV PIKEVILLE ..... KY
KD5QNC BUDE .....103.5 MS
WB5MFK IUKA ..... MS
W5LWC KOSCIUSKO ..... MS
K4CYP GOLDSBORO ..... NC
WA4DSZ HICKORY/BRT. MT ..... NC
N4IV REIDSVILLE .....103.5 NC
W4ULH FLORENCE ..... SC
WA4KJH GTLBG/COVE MTN .....127.3 TN
WA4KOG MEMPHIS ..... TN
W4AY NASHVILLE .....114.8 TN
W4POX PORTSMOUTH ..... VA
WA4ZBP STAUNTON .....131.8 VA
WV8BD BECKLEY/FLAT TOP..... WV
N8ZAR BUCKHANNON ..... WV
146.2650 / 146.8650
N4ZON JESUP .....123.0 GA
WB4DKY MADISON .....179.9 GA
AD4MU OWENSBORO ..... KY
KG4AEU RICHMOND .....192.8 KY
KD4HLH LAURENS .....107.2 SC
KF4VGX LITTLE RIVER ..... SC
W8EYU #CROSSVILLE .....118.8 TN
KN4KP TRENTON ..... TN
KG4VFO NORTON .....103.5 VA
147.4650 / 146.8650
W5NRU ELLISVILLE .....136.5 MS
N4WCO #MURPHY/STALCUP .....151.4 NC
WA4ZRS WAXHAW .....94.8 NC
WZ8E MOUNTAIN LAKE .....110.9 VA
146.2800 / 146.8800
W4OYY COLUMBUS ..... GA
WA8TI MARIETTA/ATLANTA .....100.0 GA
WA4NKL QUITMAN ..... GA
W4HBB SAVANNAH ..... GA
W4PF LOUISVILLE ..... KY
KA4UHL SOMERSET .....77.0 KY
K5QNE JACKSON .....100.0 MS
KE5SJ PASCAGOULA ..... MS
WB4TQD RALEIGH ..... NC
W4NYR SHELBY ..... NC
N7GZT ORANGEBURG ..... SC
WD4CYZ BRISTOL ..... TN
WA4KOG MEMPHIS ..... TN
WA4PCD NASHVILLE ..... TN
W4SKH OAK RIDGE ..... TN
W4RAT RICHMOND .....74.4 VA
WA4V SALEM ..... VA
WB8CQV SO. CHARLESTON .....203.5 WV
146.2950 / 146.8950
N4VNI HARTWELL .....100.0 GA
WR4MG HAWKINSVILLE .....107.2 GA
K4JBV FLORENCE .....100.0 KY
KA4BLZ LYNN GROVE .....210.7 KY
WA4PE PAGELAND ..... SC
KF4HNV CROSSVILLE .....118.8 TN
WD4EGD DANDRIDGE ..... TN
K4TTC HOWENWALD .....100.0 TN
WA4KXV VIRGINIA BEACH ..... VA
WB3T WYTH/WALKER MT .....103.5 VA
147.4950 / 146.8950
WD4LUQ DALLAS .....77.0 GA
KC4KZT DORTON .....141.3 KY
W5NRU ELLISVILLE .....136.5 MS
146.3100 / 146.9100
WB4HG CLEVELAND ..... GA
K4HYB GRIFFIN/CENAR ..... GA
K4GFY MOREHEAD .....123.0 KY
KS4TO WADDY .....107.2 KY
K5VV HERNANDO ..... MS
WA5JZL LUCEDALE ..... MS
K5OCM NATCHEZ .....91.5 MS
WA4ZGQ AHOSKIE .....131.8 NC
W4MOE ASHVL/SPIVEY MT .....91.5 NC
K4MN FAYVLLE/CFARS .....100 NC
W4PAR LEXINGTON .....107.2 NC
WA4KJS WHITE HALL .....156.7 SC
KC4ROG KNOXVILLE ..... TN
W4YXA SHORT MTN ..... TN
KE4ZBH FARMVILLE ..... VA
K4TUE MT.LAKE/BALD KNB .....107.2 VA
N8BQ MCMECHEN ..... WV
146.3250 / 146.9250
WA4ASI COVINGTON ..... GA
N4PJR JESUP .....141.3 GA
W4BEJ RADCLIFF ..... KY
WB5CON CORINTH .....107.2 MS
AD4T DOBSON .....100.0 NC
W4APE BISHOPVILLE ..... SC
K4ORE CLARKSVILLE .....110.9 TN
W4GZX CLEVELAND ..... TN
WD4OBW JONESBOROUGH ..... TN
WA4TFZ CHARLOTTESVILLE .....151.4 VA
WB4GJG DANVILLE(DCC) .....88.5 VA
WD8OGY PRINCETON/PIPEST ..... WV
146.3400 / 146.9400
KT4N AUGUSTA ..... GA
W4VO ROME/MT. ALTO .....88.5 GA
WA4RVB WRIGHTSVILLE ..... GA
KG4DVE ASHLAND ..... KY
KY4X GLASGOW ..... KY
K4MSU MURRAY .....91.5 KY
KB5DWX AMORY .....192.8 MS
KA5SBK JACKSON .....100.0 MS
KD5QNC MCCOMB ..... MS

K4CTY BURGAW ..... NC
WA4IZG BUTNER .....156.7 NC
W4BFB CHARLOTTE ..... NC
W4ACY WANCHESE .....131.8 NC
N7GZT CHARLESTON ..... SC
W4IQG GREENVILLE .....67.0 SC
WB4GBI KNOXVILLE ..... TN
WA4KOG OAKLAND ..... TN
W4ZA RICHMOND ..... VA
N4AP ROANOKE ..... VA
KD8AB FENWICK ..... WV
W8CWO WEIRTON ..... WV
N4HSV HUNTSVILLE, AL ..... ZZ
146.3550 / 146.9550
KD4AOZ ATHENS .....123.0 GA
W9QXW BLAIRSVILLE .....100.0 GA
WR4MG PERRY .....107.2 GA
KF4BPQ FLEMINGSBURG .....107.2 KY
N5EKR ELLISVILLE ..... MS
KC5OB ISOLA ..... MS
KD4WAR BURNSVILLE ..... NC
K4RNC ROCKINGHAM ..... NC
KD4BMX PINE RIDGE .....162.2 SC
NT4L #NASHVILLE .....114.8 TN
WZ8E BLUEFIELD/ONEIDA.....100.0 VA
N4CFA FARMVILLE .....136.5 VA
K8VE WEBSTER SPRINGS .....123.0 WV
146.3700 / 146.9700
K4CLJ ATLANTA ..... GA
W4HBB SAVANNAH ..... GA
K4DPP #HENDERSON ..... KY
W8PRH STANTON ..... KY
KI5FW MERIDIAN .....100.0 MS
N5PH PASCAGOULA ..... MS
N5EYM WINONA .....110.9 MS
KD4BJD BENSON ..... NC
N4AW ANDERSON ..... SC
W4GEY FLORENCE .....167.9 SC
W4TRC KNGSPT/BAYS MT ..... TN
WD4MWQ MCMINNVILLE ..... TN
WA4RWK MEDINA ..... TN
W4SKH OAK RIDGE ..... TN
NC4BL FANCY GAP .....100.0 VA
W4WRN STAUNTON ..... VA
WA4KXV VIRGINIA BEACH ..... VA
KC8CPK LOGAN/WRD RK MT .....100.0 WV
N8N8L PARKERSBURG (OH)..... WV
146.3800 / 146.9800
W4BEJ ELIZABETHTOWN ..... KY
146.3850 / 146.9850
K4KNS AUGUSTA .....100.0 GA
KC4ZGN ELLIJAY/TALONA M .....77.0 GA
KN4FE WARM SPRINGS ..... GA
N4SEI #JONATHAN CREEK ..... KY
N5LRQ COLLINS .....136.5 MS
KB5DMT SENATOBIA .....107.2 MS
K4OGB ALBEMARLE .....100.0 NC
K4JPE DURHAM .....156.7 NC
WD4PVE MARION .....118.8 NC
W1GRE SUMMERVILLE .....192.8 SC
KC4PRD NASHVILLE ..... TN
KE4SCS PETERSBURG .....127.3 VA
W4CA ROANOKE/POOR MT ..... VA
N8OLC HUNTINGTON .....131.8 WV
KF8LL NEW MARTINSVILE ..... WV
146.4000 / 147.0000
WA4NNO ATLANTA ..... GA
K5UFH CORINTH ..... MS
KE5TL #VANCLEAVE ..... MS
N5DXM WATER VALLEY ..... MS
WD4FVO JACKSONVILLE ..... NC
KD4HTW MARION .....192.8 SC
WB4YXZ PICKENS .....151.4 SC
KD4CWB BENOVILLE .....100.0 TN
W4ZJM MEMPHIS .....*# TN
W4LG SUFFOLK .....100.0 VA
W8XF CHARLESTON .....91.5 WV
147.6000 / 147.0000
W4EEE BOGART ..... GA
KE4LR SHELBYVILLE ..... KY
KG4M WILLIAMSBURG ..... KY
KC5ULN COLUMBUS ..... MS
W5IQ JACKSON ..... MS
WW4DC THOMASVILLE .....88.5 NC
W4CBX BLOUNTVILLE ..... TN
AC4RS CLARKSVILLE .....167.9 TN
KA6UHV COLLEGEDALE .....131.8 TN
KD8ZR TERRA ALTA ..... WV
146.4150 / 147.0150
K4AIS WALESKA/PNLG MTN .....100.0 GA
N4YSB YADKINVILLE ..... NC
AB4M LYNCHBURG .....131.8 VA
K4AXO NORTON/HIGH KNB .....88.5 VA
147.6150 / 147.0150
K4EDN BONAIRE .....82.5 GA
KG4QGC HINESVILLE ..... GA
AD4RT IRVINE ..... KY
N5JHK MONTICELLO ..... MS
NC4LC LINCOLNTON .....141.3 NC
W4BAD RALEIGH .....88.5 NC
W4GL SUMTER .....156.7 SC
AF4TZ NASHVILLE ..... TN
KE4RX RCKWD/MT ROSVLT ..... TN
WF4Q UNION CITY .....107.2 TN
AA8TH RICHWOOD ..... WV
146.4300 / 147.0300
WV5D LAUREL ..... MS
KU4OL MOUNTAIN REST ..... SC
K4YTZ ROCK HILL ..... SC
WA4JST RICHMOND ..... VA
147.6300 / 147.0300
W4REI ATLANTA/AIRPORT ..... GA
KD4ULE HOPKINSVILLE .....103.5 KY

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

W4PJZ LOUISVILLE .....151.4 KY
W5LDD OCEAN SPRINGS ..... MS
KG4BTN GREENSBORO .....131.8 NC
KB4DJT ROANOKE RAPIDS ..... NC
KK4BQ BARNWELL .....156.7 SC
N4JTH #N. MYRTLE BEACH ..... SC
W4BV FAYETTEVILLE ..... TN
W4EM MEMPHIS .....107.2 TN
KQ4E MORRISTOWN ..... TN
KC8IT MULLENS ..... WV
WB8ECC ST.MARYS/BENS RG..... WV

146.4450 / 147.0450

K4AIH ANDRWS/ROBNSVL .....151.4 NC

147.6450 / 147.0450

KE4ZRT DOUGLAS .....141.3 GA
KD4AOZ WATKINSVILLE .....123.0 GA
KJ4VF GRETHEL .....100.0 KY
KE4OOS PARIS .....141.3 KY
KB5LCL MORTON .....141.3 MS
W4NHV LUMBERTON ..... NC
K4ILT ST. GEORGE .....103.5 SC
AF4O BOLIVAR ..... TN
N2UP LIVINGSTON ..... TN
K4AYN NASHVILLE ..... TN
KE4CKJ STAUNTON/EL.KB .....131.8 VA
WA4SBC VIRGINIA BEACH ..... VA
KD4UTV DELAND, FL .....103.5 ZZ

146.4600 / 147.0600

W4CQ CHARLOTTE ..... NC
KG4FZR ATHENS .....141.3 TN
KF4AGO SOUTH BOSTON ..... VA
KA8PNC PRINCETON ..... WV

147.6600 / 147.0600

WA4DDI MACON ..... GA
N4CLA ROSWELL ..... GA
W4UCJ THOMASVILLE ..... GA
K4LOL BOWLING GREEN .....156.7 KY
WA4UJA PADUCAH .....103.5 KY
N5OCF RICHTON ..... MS
KB4BR MACO ..... NC
W4VFR SUMTER/SHAW ..... SC
N4FV GREENEVILLE .....186.2 TN
WA4MQQ MEMPHIS ..... TN
N4VFB SHELBYVILLE ..... TN
WB4VWR ENON .....107.2 VA
N8ZAR BUCKHANNON .....123.0 WV

147.6700 / 147.0700

N4MRN #LOUISVILLE .....151.4 KY

146.4750 / 147.0750

KK4MW CARBO ..... VA
NM8T OAK HILL .....100.0 WV

147.6750 / 147.0750

W4CLA CLAXTON ..... GA
W4GR LAWRENCEVILLE .....82.5 GA
N4TLP OWINGSVILLE ..... KY
NC5Y JACKSON ..... MS
K4CCR NEWTON .....88.5 NC
KD4JFN PITTSBORO .....146.2 NC
KT4BU EASTOVER .....156.7 SC
WQ4E GREENBRIER .....107.2 TN
WB4GBI KNOXVILLE ..... TN
WF4Q MCNAIRY .....107.2 TN
AD4ZK NORFOLK ..... VA
W4PNT WAYNESBORO ..... VA
KE8MR MORGANTOWN .....103.5 WV

147.6900 / 147.0900

KE4RWR BAINBRIDGE ..... GA
KC4YHM EATONTON .....179.9 GA
K2YRW DOUNG HARRIS ..... GA
KF4CWK DAWSON SPRINGS .....103.5 KY
N4MWA PHELPS ..... KY
KB5DSN AMORY ..... MS
N5MRS NEW HEBRON ..... MS
WB5FXH #SUMNER ..... MS
W4GDF GREENVL/ESTN NC ..... NC
KI4DH STAR/BISCOE .....100.0 NC
K4SHP MYR BCH/AYNOR ..... SC
KF4ATU ORANGEBURG .....156.7 SC
K4JLA PAULINE ..... TN
AG4UW CENTERVILLE .....123.0 TN
K4NLP JAMESTOWN .....100.0 TN
W4GMM MEMPHIS .....107.2 TN
W4BRC GALAX/BRIRP MT ..... VA
N4TZE GOOCHLAND ..... VA
N4RAG MARLINTON .....131.8 WV

147.7000 / 147.1000

W4VM HUNTSVILLE, AL ..... ZZ

147.7050 / 147.1050

WB4RTH ATLANTA CARES .....107.2 GA
KF4DG PEMBROKE ..... GA
N4EQT FRANKFORT .....107.2 KY
WA4ZAC HARLAN ..... KY
W5SAR WAYNESBORO ..... MS
WA4KNI HENDERSONVILLE ..... NC
K4ITL LILLINGTON .....82.5 NC
KG4FAN CASSATT .....192.8 SC
KD4NEC CLEVELAND ..... TN
K4TC HENDERSON ..... TN
W4LYR LEBANON .....100.0 TN
WB4JBJ BEDFORD ..... VA
KB4ZIN WILLIAMSBURG ..... VA
KA8AUW SPENCER .....100.0 WV

147.7200 / 147.1200

W4CMA CEDARTOWN ..... GA
K4HCA CLARKESVILLE ..... GA
KT4N #LINCOLNTON ..... GA
KA4KMT #LOUISVILLE ..... KY
KD4DVI PADUCAH .....179.9 KY
WB4ASZ WINCHESTER ..... KY
NO5N ACKERMAN ..... MS
N4GAS GASTONIA/SPCR MT ..... NC
WN4Z ROCKY MOUNT .....131.8 NC

W4GS MYRTLE BEACH ..... SC
W4GGM COLUMBIA .....127.3 TN
N4WAH MEMPHIS .....107.2 TN
KE4AJ OAK RIDGE .....82.5 TN
WG8S PATRICK SPRINGS .....107.2 VA
WB8DKM BRIDGEPORT ..... WV
WB8NAM MADISON ..... WV

147.7350 / 147.1350

N4BZJ DALTON .....118.8 GA
WR4SG LAKE PARK .....141.3 GA
KE4UWJ MILLEDGEVILLE .....123.0 GA
KF4CME BARBOURVILLE .....100.0 KY
KE4SZK FRANKLIN .....136.5 KY
KF4WMM SANDY HOOK .....107.2 KY
KB5UIX VOSSBURG .....136.5 MS
K4HXZ BREVARD ..... NC
K4ITL CHAPEL HILL .....82.5 NC
WA4JS WILMINGTON .....67.0 NC
K4CCC CHESTERFIELD ..... SC
KG4BZN WALTERBORO ..... SC
K4WWV ALAMO ..... TN
N4AZJ PEARISBURG .....100.0 VA
KC4VDZ RICHMOND .....107.2 VA
KE8MR DAVIS .....103.5 WV
KC8TLG ROCKPORT .....123.0 WV
AA2LD VINELAND, NJ .....156.7 ZZ

147.7500 / 147.1500

WA4EHO CEDAR GROVE ..... GA
WB4GQX CUMMING ..... GA
WA4IDS SAVANNAH ..... GA
KD4YGK LEBANON JCT. .....79.7 KY
KI5WI BOONEVILLE ..... MS
KF5IZ PEARL/RANKIN CO .....88.5 MS
K4VLY MORGANTON ..... NC
K4ITL ROANOKE RAPIDS .....82.5 NC
WD4NUN MONCKS CORNER ..... SC
WA4PCD NASHVILLE WEST .....114.8 TN
K4EAJ OAK RIDGE .....82.5 TN
KB4RFN CLINCHCO .....88.5 VA
KB9DG RICHWOOD .....100.0 WV

147.7650 / 147.1650

KE4ZRT DOUGLAS .....141.3 GA
KF4XH #MACON ..... GA
N4OME MADRAS .....131.8 GA
N4NEQ MORGANTON .....151.4 GA
W4WSM BOWLING GREEN ..... KY
WA4HBM LEXINGTON ..... KY
WB4UBY PRESTONSBURG ..... KY
W4UA HIGH POINT ..... NC
KD4PBK LUMBERTON .....88.5 NC
W4GWD GREENWOOD .....107.2 SC
KF4BRS ERWIN/UNICOI ..... TN
KC4YLL PARIS .....114.8 TN
WA4CEX PURYEAR ..... TN
KR4BT SPARTA/WHITE .....123.0 TN
KE4VNN LYNCHBURG .....141.3 VA
W4CM NEWPORT NEWS ..... VA
KA8TCF WESTON ..... WV

147.7800 / 147.1800

N4BMA AUGUSTA ..... GA
WD4NHW BALDWIN ..... GA
WB4BDP WARNER ROBINS .....107.2 GA
KE4ZJT LONDON .....151.4 KY
W4CN LOUISVILLE .....88.5 KY
KC5LIO WEST POINT ..... MS
WA1YYN EFLAND .....156.7 NC
AC4RC WILMINGTON .....88.5 NC
W4DXA FORT MILL ..... SC
W4NHK #SUMMERVILLE .....123.0 SC
WD4DES CLEVELAND .....118.8 TN
WA4KOG MEMPHIS ..... TN
K4ZGA NASHVILLE .....114.8 TN
KB4YKV AMELIA COURTHSE ..... VA
WD4ITN MONEREY .....100.0 VA
N4NRV PKS KB/PULASKI .....103.5 VA
WD8OHX LEON ..... WV

147.7950 / 147.1950

K4JPD #AUSTELL .....85.4 GA
W4UCJ BOSTON ..... GA
KT4SH CADIZ .....103.5 KY
KJ4VF LEXINGTON ..... KY
KJ4VF WINCHESTER .....100.0 KY
KC5YUX SILVER CREEK .....136.5 MS
N4NIN #LENOIR ..... NC
KO4CW RALEIGH .....88.5 NC
W4APE FLORENCE ..... SC
KC4FV ARNOLD A.F.B. ..... TN
KD4CWB #KNOXVILLE .....100.0 TN
AF4QQ SARGIS .....94.8 TN
WA4RTS LYNCHBURG .....136.5 VA
WT4RA SMITHFIELD .....100.0 VA
NV8H LOGAN SOUTH .....100.0 WV

146.6100 / 147.2100

KC4NSE #POWHATAN ..... VA

147.8100 / 147.2100

KF4GHF CONYERS .....162.2 GA
K4NLX SAVANNAH ..... GA
KM4M BLACK MTN .....103.5 KY
K4HY OWENSBORO .....110.9 KY
N5SPJ UNION .....100.0 MS
W4BUZ GREENSBORO ..... NC
W4SLH ORIENTAL .....151.4 NC
W4NTQ WHITEVILLE ..... NC
K4AVU LITTLE MT. ..... SC
W4HPL COOKEVILLE ..... TN
WF4Q JACKSON .....107.2 TN
KB8NJH AMBER RIDGE .....107.2 WV
N8FMD CLARKSBURG .....103.5 WV

147.8250 / 147.2250

W8JI BARNESVILLE ..... GA
NE4GA COMMERCE .....123.0 GA
KG4ABK DOERUN ..... GA

W4RLP SUMMERVILLE .....100.0 GA
KY4SP LITCHFIELD .....179.9 KY
W5BJT #FRENCH CAMP ..... MS
KD5VMV HERNANDO .....107.2 MS
WB4SRV CLAREMONT .....162.2 NC
WR4AGC HILLSBOROUGH ..... NC
W4DTW SANTEE ..... SC
W4DTW ST. GEORGE ..... SC
NO4Q MCEWEN .....114.8 TN
WB4OAH MORRISTOWN ..... TN
KA4VXR HAMPTON .....136.5 VA
WB8NRK PRINCETON .....114.8 WV
KA1OKQ CONCORD, NH .....100.0 ZZ

147.8400 / 147.2400

AE4JO EMERSON .....103.5 GA
WB4NFG IRWINTON .....77.0 GA
KC4QK ASHLAND .....107.2 KY
W4GZ FARMINGTON .....91.5 KY
KC4AI FRANKFORT .....100.0 KY
KF4TLT HYDEN .....186.2 KY
W5PPB PELAHATCHIE .....77.0 MS
N5ELS TUPELO ..... MS
KG4BOS CARTHAGE ..... NC
KG4JIA CHERRY MTN .....94.8 NC
W4GHZ FRANKLIN .....151.4 NC
W4IAR HILTON HEAD ..... SC
AC4VT LANCASTER .....88.5 SC
KD4TMW MYRTLE BEACH .....85.4 SC
W4LKZ GALLATIN .....114.8 TN
KD4ZTK BOYDTON ..... VA
N4MGQ ELK CRK/IRON MT .....107.2 VA
AB8WB GASSAWAY .....123.0 WV

147.8550 / 147.2550

KR4NQ SNELLVILLE .....107.2 GA
AE4PO WAYCROSS .....141.3 GA
N4IOX #DIXON ..... KY
K4CO HIGHLAND HTS. .....123.0 KY
WC5RC LAUREL ..... MS
WA4KNI HENDSVL/PENIC ..... NC
K4ITL LEVEL CROSS .....82.5 NC
W4RRC LEESVILLE .....123.0 SC
AG4UW CENTERVILLE .....123.0 TN
KJ4SI PETROS/FRZ HD MT..... TN
K4BW ACCOMAC .....156.7 VA
WD4CYZ #CLINCHCO ..... VA
KC8CNL HINTON .....100.0 WV
WC8EC PARKERSBURG ..... WV

147.8700 / 147.2700

KF4ZUR ALLENHURST .....162.2 GA
W4VIR AMERICUS .....141.3 GA
KF4GHF MONROE .....162.2 GA
WB4EJK LOUISVILLE .....151.4 KY
KE4AIE ST. CHARLES ..... KY
WB5USN ABERDEEN .....210.7 MS
K5ZRO VICKSBURG .....100.0 MS
W4CQ CHARLOTTE ..... NC
AK4H RALEIGH/BENSON ..... NC
N4SM WAYNESVILLE ..... NC
W4ANK CHARLESTON AREA ..... SC
WA4JRJ SENECA/LONG MT ..... SC
WD4BKY GALLATIN .....114.8 TN
WB0TMC JACKSON ..... TN
KE4FH JOHNSON CITY ..... TN
WB4IKL GUM SPRING ..... VA
KB4QWO ROANOKE/POOR MT ..... VA
WV8AR SCOTT DEPOT .....123.0 WV

147.8850 / 147.2850

W4PVW ASHBURN/TIFTON .....141.3 GA
KA5WZY ATLANTA ..... GA
KC4WWU KINGSLAND .....118.8 GA
KC4ZFH LONDON ..... KY
KA4FGA MARION ..... KY
N5LRL CLEVELAND .....107.2 MS
N5LJC COLUMBIA ..... MS
K5WHB CORINTH ..... MS
W4RCW TRYON ..... NC
N4ADM AIKEN ..... SC
N4LV MYR BCH/BRKSVIL ..... SC
KF4JPT FAIRVILLE ..... TN
KF4KVG MARTINSVILLE .....107.2 VA
KA4ZIP WARSAW ..... VA
W8LG PINEVILLE ..... WV
N8HON SPRUCE KNOB ..... WV
W3PS OCEAN CITY, NJ .....156.7 ZZ

147.9000 / 147.3000

N4ALE COLBERT .....123.0 GA
WB4YSV ROME ..... GA
WR4MG WARNER ROBINS .....107.2 GA
K4ICN ALLEN .....123.0 KY
WA4SJH SPRINGFIELD ..... KY
KA5LNY MAGEE ..... MS
W4YSB JEFFERSON .....103.5 NC
N4JEX KANNAPOLIS .....136.5 NC
W4MZP #RED SPRINGS ..... NC
KE4HHR CHARLESTON .....103.5 SC
W4CAT GALLATIN .....114.8 TN
W4BBB KNOXVILLE/RACK .....100.0 TN
WA4ADT MEMPHIS .....107.2 TN
W4LG FRANKLIN .....131.8 VA
KI4ZR LEXINGTON ..... VA
WB8NSL HARISVL/PENSBRO .....107.2 WV

147.9150 / 147.3150

AD4EQ DOUGLAS .....141.3 GA
W4STJ FORSYTH .....88.5 GA
W4LJM #HODGENVILLE ..... KY
KC4VXR SALEM ..... KY
KD5MIS HATTIESBURG .....136.5 MS
N5DWU WAYNESBORO ..... MS
KF4HFQ ROLESVILLE .....88.5 NC
K4MPJ SAURATOWN MT .....100.0 NC
K4PPD SHALLOTTE .....118.8 NC
K4JLA SPARTANBURG ..... SC

KD4HZN ROGERSVILLE .....114.8 TN
N4ARK SPARTA .....123.0 TN
KE4VQM TELLICO PLAINS .....141.3 TN
K4HWQ GRUNDY ..... VA
W3PS CHESTER, PA .....156.7 ZZ

147.9300 / 147.3300

W4MAZ COCHRAN .....77.0 GA
WB4BXO LAGRANGE ..... GA
K4NLX SAVANNAH ..... GA
N4MTN TOCCOA ..... GA
WA8KWH ASHLAND ..... KY
KA4CFW BOWLING GREEN ..... KY
W4JTL MT. STERLING .....103.5 KY
N4IUI #PROVIDENCE ..... KY
N5EPP PHILADELPHIA ..... MS
WA4FLR FAYETTEVILLE ..... NC
KN4K LENOIR/HIBRITN .....141.3 NC
KF4GHC COLUMBIA .....156.7 SC
WD4ORB MORGAN COUNTY .....82.5 TN
WD4RBJ PULASKI .....100.0 TN
KI4ZR LEXNGTN/ROCK MT..... VA

147.9450 / 147.3450

N4NEQ ATLANTA/MARIETTA .....151.4 GA
N4PJR JESUP/SCREVEN .....141.3 GA
WD4JZH LEBANON .....151.4 KY
KG5SF GREENVILLE ..... MS
N5ZMZ UTICA ..... MS
WA4IXW MADISON .....103.5 NC
W4NYR SHELBY ..... NC
KF4DTL SYLVA .....151.4 NC
WA4TEP WASHINGTON ..... NC
W4ANK CHARLESTON ..... SC
K4BBN CROSS PLAINS ..... TN
K4PHT DAYTON ..... TN
NM4L ABINGDON .....103.5 VA
KC4KMY EASTVILLE .....156.7 VA
W3RUA FRANKLIN ..... WV
KB8QXP LOGAN/SUMERCO .....100.0 WV

147.9600 / 147.3600

W4SCR DOUGLASVILLE .....88.5 GA
WA4HZX DUBLIN ..... GA
KQ9Z LOUISVILLE ..... KY
W5CJR HATTIESBURG ..... MS
KC5QGC LOUISVILLE ..... MS
K5SVC NATCHEZ .....100.0 MS
WA4J BOONE/RICH MTN .....103.5 NC
WD4LDB DURHAM .....136.5 NC
W4PET LUMBERTON ..... NC
N4EOY COLUMBIA ..... SC
KA4OAK LAFOLLETTE ..... TN
W4BS MEMPHIS .....107.2 TN
AF4TZ NASHVILLE ..... TN
K4KLX PARIS ..... TN
KA4CBB CHESTERFIELD ..... VA
KB4OLM STUARTS DRAFT ..... VA
N8FWL BECKLEY .....123.0 WV
WV8TC MIDDLEBOURNE .....110.9 WV
K7SQB SKYLINE .....127.3 WV

147.9750 / 147.3750

K4TQU ATHENS/CRAWFRD .....127.3 GA
KB4VAK LAFAYETTE .....77.0 GA
K4XYZ BUCKHORN LAKE .....103.5 KY
K4CO WALTON .....123.0 KY
KA5VFU GULFPORT ..... MS
KD4EAD BETHEL ..... NC
KD4WAR BURNSVILLE ..... NC
K4GWH GRAHAM .....114.8 NC
KI4CB GEORGETOWN ..... SC
WA1EO #GREENWOOD ..... SC
KN4HL DICKSON ..... TN
W4NRV PEARISBURG .....100.0 VA
WD8LNB GRAFTON .....118.8 WV

147.9800 / 147.3800

WB5NAY PONTOTOC ..... MS

147.9900 / 147.3900

KE4SNT #BLACK ROCK MT ..... GA
W4CJB PEMBROKE ..... GA
W4OHH THOMASTON .....131.8 GA
N4INT PARTRIDGE .....107.2 KY
WR8CRA COVINGTON .....123.0 KY
KY4OC CRESTWOOD .....151.4 KY
N8QCW LOUISA .....127.3 KY
KC5QHP FOREST .....100.0 MS
WB4IUY CLAYTON .....88.5 NC
WA4QBG EDEN/STONEVILLE ..... NC
WA4CHZ LOCUST .....100.0 NC
K4PPD #SHALLOTTE .....88.5 NC
N4DTR WAYNESVILLE ..... NC
KA4FEC LEXINGTON ..... NC
KF4L CLARKSVILLE .....123.0 TN
K4DPD DAYTON/RHEA CTY ..... TN
KQ4E #MORRISTOWN ..... TN
WA4BJY OAKFIELD ..... TN
KF4TNP #RICHLAND .....167.9 TN
K4ARO PETERSBURG ..... VA
N8RCG KEYSER .....123.0 WV
WV8D LEWISBURG .....100.0 WV
WD8CYV PARKERSBURG .....141.3 WV

220 MHZ

222.1800 / 223.7800

WD8OHX #LEON ..... WV

222.3000 / 223.9000

WB4SJV HERMITAGE ..... TN

222.3400 / 223.9400

KC4QK ASHLAND ..... KY
N4GSM ROBBINSVILLE ..... NC
W4ZJM MEMPHIS .....*# TN

222.3600 / 223.9600

WR3S SMITHVILLE ..... TN
AA2LD MILLVILLE, NJ .....156.7 ZZ

222.3800 / 223.9800

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

W4CAT GALLATIN .....107.2 TN
W3PS OCEAN CITY, NJ .....156.7 ZZ

222.4200 / 224.0200
WB4JEH #CONYERS ..... GA

222.4600 / 224.0600
W4NYR SHELBY ..... NC

222.5000 / 224.1000
K4SWS EATONTON .....179.9 GA
KA4UHL NANCY .....100.0 KY
KF4TNP LEWISBURG ..... TN
WB4YHD FAIRFAX ..... VA
N4CH ROANOKE ..... VA

222.5200 / 224.1200
N4NFP ATLANTA/MARIETTA .....151.4 GA
WM4MD MIDDLESBORO .....82.5 KY
K4ITL CHAPEL HILL ..... NC
W4GIL SUMTER ..... SC
WV8B FLAT TOP/WINTRPL .....100.0 WV

222.5400 / 224.1400
KD4ALC WALESKA ..... GA
WR4BEG SOPHIS/RANDLEMAN ..... NC
WB4QHF PICKENS/CSRS HD .....131.8 SC
KB4PNG ONEIDA ..... TN
N4HRV CHARLOTTESVILLE .....88.5 VA
N8FWL LEWISBURG .....123.0 WV
WR8M WILLIAMSON ..... WV

222.5600 / 224.1600
KC4JNN BISKEY MTN .....100.0 GA
KN4K LENOIR/HIBRITN ..... NC
K4ITL RALEIGH ..... NC
N7GZT COLUMBIA ..... SC
WR3S NASHVILLE ..... TN
KF4VED BLUEMTN ..... VA

222.5800 / 224.1800
N4YDX DALLAS ..... GA
N7GZT ORANGEBURG ..... SC
KB8FPK ERWIN ..... TN
WA1ZMS BEDFRD/APL ORCH .....100.0 VA

222.6000 / 224.2000
KC4OVY #ATLANTA-NE .....100.0 GA
WA4US WILMINGTON ..... NC
W4ILY GREENVILLE ..... SC
W4CBX BLOUNTVILLE ..... TN
W4JAS HAMPDEN-SYDNEY ..... VA

222.6200 / 224.2200
KB0Y RAY CITY .....141.3 GA
AD4CR VERSAILES ..... KY
NF4C ROCKY MOUNT ..... NC
KB4FZK KNXVL/CROSS MT .....100.0 TN
KO4BN SPRINGFIELD ..... TN
N3HXT WINCHESTER ..... VA
KC8LRN HILLSBORO .....131.8 WV

222.6400 / 224.2400
N4YYD FT MT/CHATSWTH .....71.9 GA
WA4KNI HENDSVL/BERWLW ..... NC
KE4QOX KVILLE/HIPOINT .....107.2 NC
N8FWL BECKLEY .....123.0 WV

222.6600 / 224.2600
KE4QFG MARIETTA .....110.9 GA
K4NLT GARRETT .....79.7 KY
WA4BVW ASHVL/MT PISGAH ..... NC
WR4AGC HILLSBOROUGH ..... NC
N4PYI SHORT MTN. .....114.8 TN

222.6800 / 224.2800
N4MNA CONLEY ..... GA
AC4RZ PICKENS ..... SC
KA4OAK LAFOLLETTE ..... TN
AB4IL LYNCHBURG ..... VA

222.7000 / 224.3000
KB4TIW VILLA RICA .....131.8 GA
KA4MKT LOUISVILLE ..... KY
N4AI SOMERSET ..... KY
WA4WRS BARIUM SPRINGS ..... NC
KE4CKJ STAUNTON/EL KNOB .....131.8 VA

222.7200 / 224.3200
N4MTA ACWORTH/ATL .....123.0 GA
KA4SQN JACKSONVILLE ..... NC
W4IT PICKENS/SASFR MT ..... SC
KK4US CLEVELAND ..... TN

222.7400 / 224.3400
W4DOC ATLANTA .....146.2 GA
WW4DC THOMASVILLE .....88.5 NC
WB4GBI KNOXVILLE ..... TN
KM4OI TYSONS CORNER ..... VA
N8FWL BECKLEY/OAK HILL .....123.0 WV

222.7600 / 224.3600
N4BZJ DALTON ..... GA
WB4PAC GRIMESLAND ..... NC
KF4ZDS MARSHALL ..... NC
WR3S LAVERGNE ..... TN
KE4JSV LURAY ..... VA
WB8YST CHARLESTON .....107.2 WV

222.7800 / 224.3800
N4RBT DAHLONEGA .....100.0 GA
WR4AMS META ..... KY
N4OQJ KNOXVILLE .....100.0 TN
WS4W RIDGEWAY ..... VA

222.8000 / 224.4000
KC4AQS JASPER .....100.0 GA
W4BFB CHARLOTTE ..... NC
WB4QHF PICKENS .....131.8 SC
KB4YGI COLLIERVILLE ..... TN
N4RBB MORRISTOWN ..... TN
W8COX SUTTON .....123.0 WV
W3PS POTTSTOWN, PA .....156.7 ZZ

222.8200 / 224.4200
KD4AOZ WATKINSVILLE .....123.0 GA
AC4AO LEXINGTON ..... KY
N4PJX CLARKESVILLE .....123.0 TN
W4BS MEMPHIS ..... TN
WD4GSM NORTON/HIGH KNB ..... VA

WG8S PATRICK SPRINGS .....103.5 VA
WD4KHP BELL KNOB ..... VA

222.8400 / 224.4400
N4NEQ ATLANTA/MARIETTA .....151.4 GA
WB4GUG GREENSBORO .....107.2 NC
KN4CW WEST SPRINGS ..... SC
KC4TFQ #NASHVILLE ..... TN
N2FUV SEVIERVILLE ..... TN
N8FWL BLUEFIELD .....123.0 VA

222.8600 / 224.4600
N4BZJ DALTON .....118.8 GA
KB0Y VALDOSTA .....141.3 GA
K4XYZ BUCKHORN LAKE .....103.5 KY
KC4ZTJ SHELBY ..... NC
WR3S NASHVILLE ..... TN

222.8800 / 224.4800
KC4FWC LOCUST ..... NC
K4ZGA NASHVILLE ..... TN
KD4HZN ROGERSVILLE ..... TN
KC8LRN CRAIGSVILLE .....91.5 WV

222.9000 / 224.5000
N4MTA ACWORTH/ATL .....123.0 GA
N4DRL BYHALIA ..... MS
AD4DN WILMINGTON .....88.5 NC
KG4JIA GAFFNEY .....123.0 SC
W4BBB KNOXVILLE/RACK .....100.0 TN
K4RCA MARTINSVILLE ..... VA

222.9200 / 224.5200
K4AIS PINE LOG MTN ..... GA
WR4AMS DORTON ..... KY
KD4CJG ASHEVILLE .....91.5 NC
N7GZT LITTLE MTN ..... SC

222.9400 / 224.5400
N4YEA DALLAS ..... GA
WA4BVW MT MITCHELL ..... NC
N8ITF PRINGFIELD ..... TN
WB4PVT HAMPTON .....100.0 VA
N8FWL BECKLEY - WEST .....123.0 WV

222.9600 / 224.5600
W4RRG LOOKOUT MT ..... GA
KD4RXF LANCASTER ..... KY
N5CWH LEESVILLE .....162.2 SC
AC4JF NEWPORT .....100.0 TN
K4YW WYTHEVILLE .....77.0 VA
KC8CSE GREENBANK .....123.0 WV

222.9800 / 224.5800
NX3O ALPHARETTA .....100.0 GA
WB4F PIKEVILLE ..... KY
KR4AA ROCKY MOUNT ..... NC
KB4VFD CROSS ..... SC
N4KFI KNOXVILLE .....103.5 TN

223.0000 / 224.6000
W4UWH JASPER .....100.0 GA
WB4PLA ASHEVILLE ..... NC
KC4KUL #BIG PHOENIX MTN.....100.0 NC
KD4TZZ MURFREESBORO .....123.0 TN
W4LCL LAKE GASTON ..... VA

223.0200 / 224.6200
W4PME ATLANTA/BELL .....100.0 GA
KD4DAR PIKEVILLE ..... KY
KC4IRA GASTONIA .....127.3 NC
KD4JFN HAW RIVER .....107.2 NC
W4UWH GATLINBURG ..... TN
W4GSF GLOUCESTER ..... VA

223.0400 / 224.6400
W4RRG LOOKOUT MT. ..... GA
KG4JIA CHERRY MTN .....71.9 NC
W4RNC RALEIGH ..... NC
N7GZT COLUMBIA ..... SC
KC4RGQ MORRISTOWN ..... TN
N8FWL HINTON/BECKLEY .....123.0 WV

223.0600 / 224.6600
NP2Y YOUNG HARRIS .....100.0 GA
KE4RQL BIG KNB/MARS HIL .....100.0 NC
WA1YYN EFLAND .....107.2 NC
W4VFR SUMTER/SHAW ..... SC
WR3S NASHVILLE ..... TN

223.0800 / 224.6800
N4BZJ DALTON ..... GA
KJ4VF STANVILLE .....100.0 KY
WB4KPF WILMINGTON ..... NC
KA4RCL WAYNESBORO .....131.8 VA
W3PS EAGLEVILLE, PA .....156.7 ZZ

223.1000 / 224.7000
W4TIY DALLAS ..... GA
WB9SZL CLEMMONS .....100.0 NC
KM4TC DUNCAN .....88.5 NC
KD4VUW GALAXTN ..... TN
KD4IBW SEVIERVILLE .....100.0 TN
K4ARO PETERSBURG ..... VA
WS8L CHARLESTON .....123.0 WV

223.1200 / 224.7200
W4UWH CLAYTON ..... GA
WR4AMS PRESTONSBURG ..... KY
WA4DAN TRENTON ..... NC
K4MFD GREENEVILLE .....173.8 TN
KC8LRN SLATY FORK .....91.5 WV

223.1400 / 224.7400
N4KVC DALTON ..... GA
KD4WAR BURNSVILLE ..... NC
N4PYI NASHVILLE .....100.0 TN
KC4JGC NORFOLK .....100.0 VA
N8FWL BECKLEY - SOUTH .....123.0 WV

223.1600 / 224.7600
W4BOC DECATUR ..... GA
KJ4VF MOREHEAD .....100.0 KY
KB7BTU PLYMOUTH .....131.8 NC
W4EXU SALISBURY ..... NC
WQ4E GREENBRIER ..... TN
K4POK KNOXVILLE ..... TN
WR3S S. PITTSBURG ..... TN
WA4TFZ CHARLOTTESVILLE ..... VA

223.1800 / 224.7800
KC4KLW CEDARTOWN .....179.9 GA
WB5OWY VICKSBURG ..... MS
N4IV EDEN .....103.5 NC
KO4BR ORANGEBURG ..... SC
K4VCM CHATTANOOGA ..... TN
KE4FH JC/BUFFALO MT ..... TN
WA4KOG MEMPHIS ..... TN
W4IY WOODBRIDGE ..... VA

223.2000 / 224.8000
WZ4SC FORT MILL ..... SC
WQ4E GREENBRIAR ..... TN
KD4IBW SEVIERVILLE ..... TN
KC8LRN LEWISBURG .....131.8 WV
KA1OKQ CONCORD, NH .....103.5 ZZ

223.2200 / 224.8200
KK4C ATLANTA .....77.0 GA
WR4MG HAWKINSVILLE .....107.2 GA
WR4AMS HAZARD ..... KY
N4DWU CANTON ..... NC
KF4IXK KERNERSVILLE .....107.2 NC

223.2400 / 224.8400
W4TL GAINESVILLE .....203.5 GA
WR4MG WARNER ROBINS ..... GA
WA4NC BANNER ELK ..... NC
WA4DAN GRIFTON ..... NC
KC4WGH JOYNER .....88.5 TN
KC4PRD NASHVILLE ..... TN
N4PLV BEDFORD ..... VA
N8FWL ANSTED .....123.0 WV

223.2600 / 224.8600
KC4JNN ALPHARETTA .....100.0 GA
K4NOC BISHOPVILLE ..... SC
KQ4O PEARISBURG .....107.2 VA

223.2800 / 224.8800
WD4LUQ YORKVILLE .....77.0 GA
N4AI SOMERSET ..... KY
N4DRL WARSAW ..... MS
K4AIH ANDRWS/ROBINSVL ..... NC
W4JYV CARY .....88.5 NC
K4DQ FANCY GAP .....100.0 VA

223.3000 / 224.9000
W4LMA MARIETTA ..... GA
N4EQT LAWRENCEBURG .....107.2 KY
N4EOY COLUMBIA ..... SC
W4WC GREENEVILLE .....100.0 TN
WD9JGI SWEETWATER .....127.3 TN
AA4HQ DELTAVILLE ..... VA
K4YDG ROANOKE/TINKER ..... VA

223.3200 / 224.9200
W4CSX SNELLVILLE .....100.0 GA
W4NYK GRNVL/DOWNTWN .....88.5 SC
W4RRG CLEVELAND ..... TN
WA8O BLUEFIELD ..... VA

223.3400 / 224.9400
WB4KXO AUGUSTA ..... GA
K4AIS WALESKA/PNLG ..... GA
AD4RT IRVIN ..... KY
N4JJ FLORENCE ..... SC
WB4NKM GREENEVILLE ..... TN
WA4PCD NASHVILLE ..... TN
N2EDE ROANOKE .....107.2 VA

223.3600 / 224.9600
K4RFL ATLANTA/MARIETTA .....100.0 GA
KC4ZTJ CHERRYVILLE ..... NC
N4QVI GREENSBORO ..... NC
N4UQS HENDERSONVILLE ..... NC
WR3S SE NASHVILLE ..... TN
W3PS CHESTER, PA .....156.7 ZZ

223.3800 / 224.9800
WR4AMS LONDON ..... KY
W4LG CHESAPEAKE ..... VA

440 MHZ

426.0500 / 420.0500
K4CQ LYNCHBURG .....136.5 VA

434.0000 / 421.2500
W4ZTL ATLANTA/BELL ..... GA
K4NLX SAVANNAH ..... GA
WD4ATV JOHNSON CITY/BUF ..... TN
WA4GSS HUNTINGTON ..... WV
KB9QHO WHEELING ..... WV

438.2500 / 421.2500
W4BEJ ELIZABETHTOWN ..... KY
N4GUP LEXINGTON ..... SC
WZ4O SUMTER ..... SC
N4XND GLOUCESTER ..... VA
W4HTB BOWLING GREEN ..... KY
KA5NOJ GAUTIER ..... MS
N3XA WAYNESBORO ..... VA
WA4VHP SAVANNAH ..... GA

438.7750 / 433.0750
WA3KOK CHESTERFIELD ..... VA

438.8000 / 433.2000
WD4ICX FANCY GAP ..... VA

446.2500 / 441.2500
NQ4Y MONTEAGLE MT. ..... TN

446.3500 / 441.3500
KD4DXR #WALESKA ..... GA
WA4USN KNIGHTSVILLE ..... SC

446.4500 / 441.4500
WA4USN MT. PLEASANT ..... SC

446.5250 / 441.5250
N4KJU PAINTSVILLE .....127.3 KY
KG4AQH GREELEYVILLE ..... SC

446.6000 / 441.6000
WA4AYB RICHMOND ..... VA

446.6250 / 441.6250
W4ERT TAYLORSVILLE .....123.0 NC

446.7750 / 441.7750
K4IJ ROANOKE ..... VA

446.8000 / 441.8000
KC4JYNF ACWORTH .....77.0 GA
AF4MI PEMBROKE .....123.0 GA

AD4CC UNION .....179.9 KY

446.8250 / 441.8250
KA4MLK ROME .....100.0 GA

446.8500 / 441.8500
KF4QLF GRIFFIN ..... GA
KY4JD FORT WRIGHT ..... KY

446.8750 / 441.8750
W4LAW DALTON .....100.0 GA
K4NRC NEWNAN .....156.7 GA
KF4BJO GAFFNEY .....123.0 SC
WB4TWX SIX MILE .....100.0 SC
KD4TZZ MURFREESBORO .....107.2 TN

446.9000 / 441.9000
WB4GQX CUMMING .....141.3 GA
N2QJI ZIRCONIA .....94.8 NC
AG4VT PACOLET .....100.0 SC

446.9250 / 441.9250
W4CSX DALLAS .....162.2 GA

446.9500 / 441.9500
KE4OKD SANDY SPRINGS .....156.7 GA
K4TUE NEWPORT .....107.2 VA

446.9750 / 441.9750
WB4ULK COLUMBUS ..... GA
KE4GIA COMMERCE .....123.0 GA
KG4BTN GREENSBORO .....162.2 NC

447.0000 / 442.0000
WB6RTH ALPHARETTA .....107.2 GA
AF4UL MACON .....100.0 GA
N4ORL LOUISVILLE ..... KY
N4HAJ KINSTON .....88.5 NC
AI4M GAFFNEY .....114.8 SC
K4TTC HOHENWALD ..... TN
K4BTL MARYVILLE ..... TN
W4LG GASBURG ..... VA
WB3T WYTHEVILLE/WALKER MT .....103.5 VA

447.0250 / 442.0250
W4CML ATLANTA .....127.3 GA
KD4KMK YADKINVILLE .....100.0 NC
WJ9J CHATTANOOGA ..... TN

447.0500 / 442.0500
N1KDO MARIETTA .....107.2 GA
KD4ADJ LEXINGTON ..... KY
WA1YYN EFLAND .....107.2 NC
KD4XV JASPER .....127.3 TN
WB4SQC #JOHNSON CITY .....100.0 TN
WA4BJP MEDINA ..... TN

447.0250 / 442.0750
W8BLA ROSWELL ..... GA

447.0750 / 442.0750
N4VOS STANTON ..... KY
KD4PBS APEX .....114.8 NC
K4JLA COLUMBUS .....103.5 NC
N4JDW WILMINGTON .....88.5 NC
KJ4BJ DAYTON ..... TN
KA4BNI LEXINGTON .....107.2 TN
KF4UCI CHARLOTTESVILLE .....151.4 VA

447.1000 / 442.1000
K4HUM NORCROSS .....100.0 GA
N4RBL LOUISVILLE AREA ..... KY
K4USC UNION ..... SC
KF4TNP LEWISBURG .....107.2 TN
KG4FZS MADISONVILLE .....141.3 TN
WD4PAX MILAN ..... TN
KQ4CI #ASHBURN ..... VA

447.1250 / 442.1250
W4ZT ATL/UNION CITY .....100.0 GA
KD4GRU BLUERIDGE .....146.2 GA
KG4IWI HENDERSON .....88.5 NC
WT4IX NEWEL .....156.7 SC
WT4F PICKENS ..... SC
KB4YFV HILLSVILLE .....103.5 VA

447.1500 / 442.1500
KD4RTR DORTON .....167.9 KY
W4UNC CHAPEL HILL .....131.8 NC
N4SJW CHARLESTON ..... SC
WJ9J CHATTANOOGA ..... TN
KA4BNI DRESDEN .....107.2 TN
WD4RBJ PULASKI .....118.8 TN
KA4CBB CHESTERFIELD ..... VA

447.1750 / 442.1750
N4BZJ DALTON .....118.8 GA
K4NGQ FRANKFORT .....67.0 KY
KC4UBR LINVILLE .....136.5 NC
KE4GYN ROXBORO .....156.7 NC
WA4US WILMINGTON ..... NC
KU4ZS SPARTANBURG .....123.0 SC
W4GMM MEMPHIS .....107.2 TN
W4VSP WYTHEVILLE .....103.5 VA

447.2000 / 442.2000
KF4SKT BLAIRSVILLE ..... GA
N3APR DECATUR ..... GA
AA5SG ELLISVILLE .....167.9 MS
WA4US WILMINGTON ..... NC
N7GZT COLUMBIA .....162.2 SC
WM4T GRAY .....100.0 TN
WA4BJY OAKFIELD ..... TN
N4IFC LYNCHBURG/T.ROW .....103.5 VA

447.2250 / 442.2250
WB5EGI ATLANTA .....100.0 GA
WJ9J RCKWOOD/OZONE ..... TN
NO4O WAVERLY .....110.9 TN

447.2500 / 442.2500
K4HAC MADRAS .....141.3 GA
AA5SG ELLISVILLE .....136.5 MS
KB4PQA GREENVILLE ..... SC
WD4DES CLEVELAND .....118.8 TN
WA4PGI COVINGTON .....100.0 VA

447.2750 / 442.2750
K4DDH MACON .....100.0 GA
N4ZCM AUBURN ..... NC
KO0NTZ LEXINGTON .....146.2 NC
KF4CFO ETOWAH .....141.3 TN
KE4PFW HENDERSON ..... TN

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

K8VKB RICHWOOD .....123.0 WV
447.3000 / 442.3000
KW4KW RINGGOLD .....118.8 GA
WW4T STATHAM ..... GA
KC4QPR MORG/WALKER TOP .....94.8 NC
KC4ED SUMMERVILLE ..... SC
WA4UCE COOKEVILLE .....107.2 TN
KC4VDZ RICHMOND .....114.8 VA
447.3250 / 442.3250
W4JLG MABLETON ..... GA
WM4MD MIDDLESBORO .....67.0 KY
K2IMO ELM CITY .....88.5 NC
KB4GHT HILLSVILLE .....103.5 VA
447.3500 / 442.3500
WD4NHW BALDWIN ..... GA
KG4PTO COLLEGE PARK .....OT GA
KE4SZK RUSSELLVILLE .....136.5 KY
KF5TU LAKE GASTON .....100.H NC
WA4YGD LINCOLNTON ..... NC
KE4VNN LYNCHBURG .....136.5 VA
KF5TU MCKINNEY, TX .....100.0 ZZ
447.3750 / 442.3750
KE4QFG MARIETTA ..... GA
KE4YRE SHELBYVILLE ..... KY
WA4PXV HICKORY ..... NC
KG4CEO CUMBERLAND FU .....107.2 TN
447.4000 / 442.4000
W2SJB DULUTH .....100.0 GA
N4UER WARM SPRINGS ..... GA
KF4JJD GARRETT .....79.7 KY
AA4XV LATONIA ..... KY
WB4QHF PICKENS/CSRS HD .....127.3 SC
KA4BNI HORNBEAK .....107.2 TN
KF4YI LYNCHBURG/JACK MT.....107.2 VA
447.4250 / 442.4250
K4SWS EATONTON ..... GA
WK4E KENNESAW .....107.2 GA
KC4FIE MADISONVILLE ..... KY
K4AE #LEXINGTON .....107.2 NC
AF4ZJ CHAT/WALDEN ..... TN
KA4BNI JACKSON .....107.2 TN
447.4500 / 442.4500
W4CML SNELLVILLE ..... GA
KD4CLR LOUISVILLE AREA .....151.4 KY
WA4TOG HENDERSONVILLE ..... NC
N4LMR RALEIGH ..... NC
KD4NED CLEVELAND .....88.5 TN
W8MOP BLUEFIELD ..... VA
WA3KOK CHESTERFIELD .....107.2 VA
447.4750 / 442.4750
K4NVG LAVONIA .....203.5 GA
W1MED MARLOW .....114.8 GA
W4RRG ROSSVILLE .....100.0 GA
KE4DGP WILKESBORO .....107.2 NC
AG4AN FOREST ..... VA
W8CH CHAPMANVILLE .....123.0 WV
447.5000 / 442.5000
W4PSZ PEACHTREE CITY .....77.0 GA
KE4PMP VIDALIA .....88.5 GA
KB4RYM LOUISVILLE ..... KY
K4GFY MOREHEAD ..... KY
KG4JIA CHERRY MTN .....94.8 NC
K4YNY WILMINGTON .....88.5 NC
WB4HAP KNOXVILLE .....103.5 TN
K1YJ NASHVILLE .....107.2 TN
W4GA ROANOKE/POOR MT .... VA
447.5250 / 442.5250
N4XQM ATLANTA .....110.9 GA
KY4JD FORT WRIGHT .....123.0 KY
N2QJI CONCORD .....94.8 NC
WB3T WYTHEVILLE .....103.5 VA
447.5500 / 442.5500
WB4JEH CONYERS .....151.4 GA
WD4ELX LOUISVILLE ..... KY
WA4TOG- ASHEVILLE ..... NC
K1BUD PITTSBORO ..... NC
KC4QKC TELLICO PLAINS .....141.3 TN
W4RAT RICHMOND .....74.4 VA
447.5750 / 442.5750
WA4BPY CUMMING .....79.9 GA
AE4LW MADISONVILLE .....100.0 KY
W4MLU RALEIGH ..... NC
KU4RT HENDERSON ..... TN
NU5O MEMPHIS .....77.0 TN
WB4IVB JONESVILLE .....100.0 VA
447.6000 / 442.6000
KD4FOC DUBLIN .....77.0 GA
WA4OKJ MARIETTA .....100.0 GA
KD4ADJ MT STERLING ..... KY
WD4NWV ANDRWS/ROBINSVL .....151.4 NC
WA4PXV VALDESE ..... NC
N8ITF SPRINGFIELD ..... TN
K4ARO PETERSBURG ..... VA
K4ARO ROANOKE ..... VA
447.6250 / 442.6250
K4VJM CLEVELAND .....100.0 GA
KD4CDX HARLAN .....100.0 KY
KE4KIV NEWTON ..... NC
WB4EPG MEMPHIS ..... TN
447.6500 / 442.6500
KE4FHN DANIELSVILLE ..... GA
W4RRG LOOKOUT MT .....100.0 GA
KD4GEU ASHEVILLE ..... NC
N4IBM CHARLOTTE .....88.5 NC
WA1ZMS BEDFRD/APL ORCH .....100.0 VA
447.6750 / 442.6750
KE4PVE ATLANTA .....100.0 GA
KD4BOH ROCKPORT .....77.0 KY
KA2NAX MORAVIAN FALLS .....88.5 NC
W4ATC RALEIGH .....100.0 NC
WA4MPZ BLUFFTON .....100.0 SC
KA4BNI CONCORD .....107.2 TN
447.7000 / 442.7000
KC4ZGN ELLIJAY .....77.0 GA
W4MAZ MACON .....97.4 GA
K4NLX SAVANNAH ..... GA
KC4YOT GASTONIA .....100.0 NC
N4FV GREENVILLE ..... TN
WA4PZN SHELBYVILLE ..... TN
W7CP ROANOKE ..... VA
447.7250 / 442.7250
KE4QFG MARIETTA/ATL ..... GA
KB4YJ LOUISVILLE .....151.4 KY
N5LRQ VOSSBURG .....167.9 MS
AA4LB SIMPSONVILLE .....100.0 SC
W4RDM COLUMBIA ..... TN
KE4MBR DECATUR .....141.3 TN
KF4RMT BASSETT .....107.2 VA
KB8PCW GILBERT ..... WV
447.7500 / 442.7500
N3DAB JASPER .....141.3 GA
KD4HEY ABBEVILLE .....162.2 SC
KE4SWV CASTALIAN SPRING .....123.0 TN
WD4KZK ROANOKE/MILL MT .....107.2 VA
447.7750 / 442.7750
KB4TIW VILLA RICA .....131.8 GA
KC4FIE MADISONVILLE ..... KY
KI4ASR ARCHDALE .....127.3 NC
KG4LWG GASTONIA .....123.0 NC
KF4CDR CHARLESTON ..... SC
AE4PZ MOUNTAIN REST .....127.3 SC
KE4CIF PULASKI ..... VA
447.8000 / 442.8000
N4NFP ATL/MARIETTA ..... GA
N4AAD YADKINVILLE .....100.0 NC
WD4LUR LAKE CITY .....100.0 TN
KA4SNI SELMER .....107.2 TN
KB4MIC GUM SPRING ..... VA
447.8250 / 442.8250
W1CP CLAYTON .....162.2 GA
KC4ENL HAPEVILLE .....167.9 GA
K4ITL LEVEL CROSS .....82.5 NC
WF4G MEMPHIS ..... TN
KT4PN ONEIDA ..... TN
447.8500 / 442.8500
WB4HJG LAWRENCEVILLE .....82.5 GA
AG4AZ BREVARD ..... NC
KA4IXK ROANOKE/POOR MT .... VA
WB8NSL PENNSBORO .....103.5 WV
447.8750 / 442.8750
K4RFL ATLANTA/MARIETTA .....100.0 GA
W4MAZ COCHRAN .....77.0 GA
W4GSO GREENSBORO .....88.5 NC
KC4WHL HARRIMAN .....136.5 TN
KF4OCK LORETTO .....203.5 TN
447.9000 / 442.9000
KF4RLZ LAWRENCEVILLE .....123.0 GA
WR4MG WARNER ROBINS ..... GA
W4CMR IRVINE ..... KY
WW4DC THOMASVILLE .....88.5 NC
N4WT CHATT/HIXSON ..... TN
KA1FFO CLARKSVILLE .....110.9 TN
KE4CES JACKSON .....114.8 TN
W4MT NEWPORT NEWS .....100.0 VA
447.9250 / 442.9250
WB4RL LITHIA SPRINGS .....100.0 GA
K4CH LEXINGTON .....107.2 NC
N5WKR PERKINSTON .....123.0 MS
WD4OAR WHITE OAK MT .....100.0 TN
KB8QKM CHARLESTON .....71.9 WV
447.9500 / 442.9500
AA4AI ATHENS .....179.9 GA
N4XGI ST SIMONS ISLAND .....131.8 GA
W4ERT TAYLORSVILLE .....151.4 NC
KB9EBA LENOIR CITY ..... TN
KC4YLL PARIS .....123.0 TN
AB4FU LYNCHBURG ..... VA
W4VB NORFOLK .....131.8 VA
447.9750 / 442.9750
WA4YNZ ATLANTA ..... GA
WA4YNZ #ROSWELL ..... GA
AG4TY WAYNESBURG ..... KY
KF4DAR KERNERSVILLE .....107.2 NC
NK4W LITTLE MT .....162.2 SC
KB8KSP ABINGDON .....100.0 VA
448.0000 / 443.0000
W4DXX BAINBRIDGE .....100.0 GA
W4DRC CHATSWORTH ..... GA
KE4ZRT DOUGLAS .....141.3 GA
KT4GB BARDSTOWN ..... KY
KD4DVI PADUCAH .....179.9 KY
KI4RK GOLDSBORO .....100.0 NC
AG4GW CHERAW .....123.0 SC
KW4LS LEBANON .....100.0 TN
W4ZJM MEMPHIS .....* TN
KM4X WHITETOP MT .....103.5 VA
N8HZ HUNTINGTON ..... WV
448.0250 / 443.0250
W4CML ATLANTA .....127.3 GA
WA4RVB WRIGHTSVILLE .....156.7 GA
KE4OOL LEXINGTON .....123.0 KY
WB4IKY GIBSONVILLE .....107.2 NC
N4UAG KNOXVILLE ..... TN
KA8YEZ WHEELING .....77.0H WV
448.0500 / 443.0500
NE1H SNELLVILLE ..... GA
W1WBT SAURATOWN MTN .....136.5 NC
N8FWL BECKLEY ..... WV
W3PS CHESTER, PA .....156.7 ZZ
448.0750 / 443.0750
WA4EOC CANTON .....107.2 GA
WX4EMA MACON .....156.7 GA
WR4BEG SOPHIA/RANDLEMAN ..... NC
KA4AZQ KNOXVILLE .....100.0 TN
KC8SDN FLATWOODS .....123.0 WV
448.1000 / 443.1000
N4KHQ DAHLONEGA .....100 GA
N4WJS OWENSBORO .....110.9 KY
KE4QOX SOUR ATOWN MT .....88.5 NC
W4QJ ROCK HILL .....162.2 SC
KF4TNP BRICK CHURCH .....167.9 TN
KA4JXT MEMPHIS .....107.2 TN
KN4YM POWHATAN ..... VA
KE4QOX BECKLY/OAK HILL .....107.2 WV
448.1250 / 443.1250
KG4PUW STOCKBRIDGE .....100.0 GA
KU4ML FOSTER ..... KY
KB4PQA CRAB CREEK TWP ..... NC
WA4NNA RALEIGH ..... NC
KT4OL CHATTANOOGA ..... TN
KT4OL CHATTANOOGA ..... TN
KC4PRD GOODLETTSVILLE .....107.2 TN
KA4JXT HICKORY VALLEY .....107.2 TN
KA4JXT MEMPHIS ..... TN
WB3T MARION .....103.5 VA
448.1500 / 443.1500
KF4XH BYRON ..... GA
W4PME ROSWELL/BELL .....100.0 GA
KD4PBC MIDDLESBORO .....146.2 KY
W4HG SALISBURY .....136.5 NC
KD4PBC GATLINBURG .....146.2 TN
KD4PBC TRI-CITIES .....146.2 TN
K8MHR ST. ALBANS ..... WV
448.1750 / 443.1750
K4AIS CARTERSVILLE .....100.0 GA
KC4COV FLORENCE .....131.8 KY
KD4HLH LAURENS .....146.2 SC
KG4GCZ MT PLEASANT .....107.2 TN
WG8S PATRICK SPRINGS ..... VA
448.2000 / 443.2000
K4YC MCINTYRE .....77.0 GA
KD4APP PINE LOG MT .....103.5 GA
KC4FWC #STANFIELD .....77.0 NC
KC4WDI YOUNGSVILLE .....88.5 NC
W4WC GREENEVILLE .....100.0 TN
W4BS MEMPHIS .....107.2 TN
KB4YKV AMELIA ..... VA
448.2250 / 443.2250
WA4DIW JONESBORO ..... GA
KD4TAH FRANKLIN ..... NC
KS4TO PADDY ..... KY
W8EMX HUNTERSVILLE .....110.9 NC
N4ZCM RALEIGH ..... NC
W8LG BECKLEY/BOLT ..... WV
448.2500 / 443.2500
KC4JNN BISKEY MTN .....100.0 GA
KJ4VF DORTON ..... KY
KJ4VF MOREHEAD .....100.0 KY
N4JEX CHINA GROVE .....136.5 NC
448.2750 / 443.2750
KC4KLW KICKMART .....179.9 GA
KF4TLA ASHEVILLE .....103.5 NC
WA4WTX ROUGEMNT/RED MT .....100.0 NC
WA4AWI LEBANON .....107.2 TN
448.3000 / 443.3000
WW4GA ATHENS ..... GA
KA4ZTY LINDALE .....100.0 GA
KB5DZJ WIGGINS .....167.9 MS
KB4TOH COLUMBIA .....131.8 NC
AI4NI FOREST CITY .....114.8 NC
KA7UEC CLAIERVILLE .....107.2 TN
WA4KJH GATLBG/COVE MT .....127.3 TN
WS8L CHARLESTON .....123.0 WV
448.3250 / 443.3250
N4JMD STOCKBRIDGE ..... GA
WA4CMO FRANKFORT ..... KY
KF4IXK KERNERSVILLE .....131.8 NC
WB3T DISMAL PEAK .....103.5 VA
448.3500 / 443.3500
N4YYD FT. MT/CHATSWTH .....71.9 GA
K4ULW LOUISVILLE SW ..... KY
W5CJR PETAL ..... MS
N4JEX KANNAPOLIS .....136.5 NC
W4IQQ GRNVLE/PARIS MT ..... SC
WA4AWI DEASON .....107.2 TN
K4GX ROGERSVILLE ..... TN
N8LHL ROCKPORT .....123.0 WV
KA1OKQ PETERBORO, NH .....110.9 ZZ
448.3750 / 443.3750
KC4AQS JASPER .....100.0 GA
W1IFL RALEIGH ..... NC
W4RCT INDEPENDENCE .....103.5 VA
KC8SDN RICHWOOD .....123.0 WV
448.4000 / 443.4000
WB4GWA CONCORD .....118.8 GA
N1IB CUMMING .....107.2 GA
K4XYZ BUCKHORN LAKE .....103.5 KY
N0SU BRYSON CITY .....151.4 NC
AD4DN WILMINGTON .....88.5 NC
AC4WW MIKEN .....107.2 SC
WA4QWW MEMPHIS ..... TN
448.4250 / 443.4250
KD4CPO BRUNSWICK ..... GA
AE4JO EMERSON .....103.5 GA
KB4MDE JASPER ..... GA
KD4RTR MILLARD ..... KY
WA1YYN RES. TRIANGLE PK.....156.7 NC
448.4500 / 443.4500
WC4RAV COBB COUNTY .....103.7 GA
KB4VAK HIGH PT/LOOKT MT.....77.0 GA
AE4NU COX'S CREEK .....151.4 KY
KZ4G FLATWOODS .....107.2 KY
KC5LCW GAUTIER .....123.0 MS
N5WXD WEST POINT ..... MS
N4VOZ STATESVILLE ..... NC
AC4RZ HICKORY TAVERN .....162.2 SC
KE4PJW NASHVILLE .....107.2 TN
KC4RBA LYNCHBURG .....186.2 VA
448.4750 / 443.4750
W4EEE BOGART ..... GA
WB4QQI DALLAS .....77.0 GA
KC4COV BEAVERDICK .....131.8 KY
KE4UIU CANTON .....156.7 NC
W4UNC CHAPEL HILL .....131.8 NC
WZ4SC FORT MILL ..... SC
KB8YDD RICHWOOD ..... WV
KE4LRX HUNTSVILL, AL ..... ZZ
448.5000 / 443.5000
N4MTA MARIETTA ..... GA
WD9EQC LOUISVILLE ..... KY
KF4BRO MAYSVILLE .....123.0 KY
WB4UBY METTER ..... GA
W5SAR WAYNESBORO ..... MS
AB4JJ WEST JEFFERSON .....107.2 NC
N5CWH LEESVILLE .....162.2 SC
KD4CWB KNOXVILLE ..... TN
448.5250 / 443.5250
N4PQR KNOXVILLE .....114.8 GA
KC4KLW ROME .....179.9 GA
KD4EVB BURLINGTON .....107.2 KY
N4EUX LENOIR/CAJAH MT ..... NC
KD4MJO SOUTH HILL .....100.0 VA
448.5500 / 443.5500
KK4IN DADULA ..... GA
KE4WLP GRIFFIN ..... GA
N4HZX GRAEFENBURG ..... KY
W5SAR WAYNESBORO ..... MS
KC4XE WILKESBORO .....94.8 NC
WB4LRD CHATTANOOGA ..... TN
N4ARI WILLIAMSBURG .....100.0 VA
448.5750 / 443.5750
KD4NTF CEDARTOWN .....107.2 GA
NU5O SOUTHAVEN .....77.0 MS
WA4PXV AIR BELLOWS GAP ..... NC
KA6UHV COLLEGEDALE .....131.8 TN
W4LYR LEBANON .....100.0 TN
KC8AUY RICHWOOD ..... WV
448.6000 / 443.6000
KA5WZY ATLANTA .....146.7 GA
KA4UHL NANCY .....100.0 KY
K4EG BURLINGTON .....123.0 NC
N4DWU MT MITCHELL .....114.8 NC
W4TLB BIG SANDY .....114.8 TN
KC8PFI KENOVA .....162.2 WV
448.6250 / 443.6250
K4MDS GRAY ..... GA
KF4OYP JASPER .....100.0 GA
KF4NTQ GEORGETOWN ..... KY
AA5RZ JACKSON, EAST ..... MS
W4EUS RES. TRIANGLE PK..... NC
KE4EAN COWPENS .....136.5 SC
KA7UEC COLLIERVILLE .....107.2 TN
AD4QG EVA ..... TN
KC4MJN JAMESTOWN .....100.0 TN
WZ8E BLUEFIELD .....100.0 WV
KC8SDN RICHWOOD .....123.0 WV
448.6500 / 443.6500
W4CML ATLANTA .....123.7 GA
N4WJS OWENSBORO .....110.9 KY
W5NRU LAUREL .....100.0 MS
K4AIH ANDRWS/ROBINSVL ..... NC
KD4WAR BURNSVILLE ..... NC
KG4BTN GREENSBORO .....88.5 NC
WA4AXH NOLENSVILLE ..... TN
KG4NJA HAMPTON .....173.8 VA
KC8SDN CRAIGSVILLE .....123.0 WV
448.6750 / 443.6750
N4GWO BARNESVILLE ..... GA
K4WOC CALHOUN .....100.0 GA
KD4FRP CROWDER'S MT ..... NC
AD4LR PARIS ..... TN
KD4IBW SEVIERVILLE .....100.0 TN
K4YD BENT MT .....107.2 VA
448.7000 / 443.7000
W4TIY DALLAS ..... GA
KY4KY BROOKS .....151.4 KY
K5PN HATTIESBURG .....136.5 MS
N5WDG RIDGELAND .....77.0 MS
KE4QOX KVILLE/H POINT .....103.5 NC
WA4LBT LOCUST ..... NC
N4JEH NASHVILLE .....107.2 NC
K4VVM BARTLETT .....107.2 TN
AG4WW CENTERVILLE .....100.0 TN
KB4OTK LAFOLLETTE ..... TN
KB8UJG PRINCETON .....123.0 WV
448.7250 / 443.7250
KB2DZA CONYERS .....77.0 GA
KE5LT PICAYUNE .....179.9 MS
K4GWH GRAHAM .....156.7 NC
KC4KPJ CLOVER .....127.3 SC
W1ARN NASHVILLE .....107.2 TN
KG4KIJ SWEETWATER ..... TN
N8SNY WELCH ..... WV
448.7500 / 443.7500
K4GO COVINGTON .....146.2 GA
KF4BMG #MARIETTA .....79.7 GA
KK4WH WHITESBURG .....107.2 KY
KC4ZTI GASTONIA/CRWDR ..... NC
K4WWV ALAMO ..... TN
WA4OHX HAMPTON .....100.0 VA
KC3FB PATRICK SPRINGS .....77.0 VA
448.7750 / 443.7750
N4YF SUGAR HILL .....82.5 GA
KF4INN VERSAILLES ..... KY
WB4SRV CLAREMONT .....118.8 NC
KD4JFN HAW RIVER .....107.2 NC
KF4Y LAURENS .....141.3 SC
KA4MHJ SPENCER .....123.0 TN
448.8000 / 443.8000
N4NFP ATLANTA/MARIETTA .....151.4 GA
K4MSU MURRAY .....91.5 KY
N5IAT NATCHEZ ..... MS

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

KC4QZL MORGANTON ..... SC
W4HNK MT PLEASANT .....123.0 SC
KA4AZQ KNOXVILLE .....100.0 TN
KG4NRC NASHVILLE .....123.0 TN
WA1ZMS BEDFRD/APL ORCH .....100.0 VA
W4POX PORTSMOUTH ..... VA
KA8OTX OAK HILL ..... WV

448.8250 / 443.8250
KD4HPD STONE MTN .....123.0 GA
KD4EVB FALMOUTH .....107.2 KY
K4AVY PRESTONSBURG .....127.3 KY
N5ZNS GLOSTER ..... MS
KC4FWC #LAURINBURG .....77.0 NC
KI4BMD JACKSON .....114.8 TN
KI4BMD JACKSON .....114.8 TN
KC4KRM SHELBYVILLE ..... TN
KF4RMT MARTINSVILLE .....107.2 VA
WB4KZI PETERSBURG ..... VA

448.8500 / 443.8500
K4PLM #WALESKA .....192.8 GA
KC4YOZ DALLAS CHLT .....100.0 NC
WA4US WILMINGTON ..... NC
N4ULM FRANKLIN ..... TN
KE4OVN LANEVIEW .....107.2 TN
KQ4I DANVILLE ..... VA
KB8TGK HUNTINGTON .....88.5 WV

448.8750 / 443.8750
KD4LXT ATLANTA ..... GA
KC4KPW PINEY KNOB .....103.5 NC
WO4U CROSSVILLE .....88.5 TN
KD4KPV MCKENZIE ..... TN
WC4EOC NO CITY LISTED ..... TN
W4DUM WILLIS ..... VA
W8SP FAIRMONT ..... WV

448.9000 / 443.9000
K4RHJ FLOWERY BRANCH .....131.8 GA
KC4KZT DAVID .....167.9 KY
W4UA HIGH POINT ..... NC
W4GWD GREENWOOD .....107.2 SC
KD4HII CHATTANOOGA ..... TN
W4KOC WHITE HOUSE .....107.2 TN

448.9250 / 443.9250
KQ4XL MONROE .....123.0 GA
W4BAB RINGGOLD ..... GA
N4EQT LAWRENCEBURG .....107.2 KY
KE4KNZ MCEWEN .....107.2 TN
K4DHT MOUNTAIN CITY .....103.5 TN
KF4AGO SOUTH BOSTON ..... VA

448.9500 / 443.9500
KA4UFM DECATUR .....110.9 GA
W4LJM CANE VALLEY ..... KY
N5ZDF HAZLEHURST .....100.0 MS
KD4OWV CHARLOTTE ..... NC
WA1YYN HILLSBOROUGH .....114.8 NC
WA4US WILMINGTON ..... NC
KD4OBX KNOXVILLE ..... TN
N4ER MEMPHIS ..... TN
W4UOT WINCHESTER .....107.2 TN

448.9750 / 443.9750
KB4NPO REX ..... GA
K4TDO HAZARD .....103.5 KY
N4KWT LOUISVILLE .....100.0 KY
WA4WGY MAYODAN ..... NC
N4VDE LIBERTY .....103.5 SC
WR3S LAVERGNE ..... TN
KA4WJS ROCKWOOD ..... TN
N8FIP WESTON ..... WV

449.0000 / 444.0000
WB4QDX LAWRENCEVILLE .....127.3 GA
WD4AFY #SAVANNAH ..... GA
AD4RT IRVINE ..... KY
W5PFR CLINTON .....100.0 MS
K4JEQ HICKORY ..... NC
KI4RK SELMA ..... NC
W4ULH FLORENCE ..... SC
WD4BKY GALLATIN ..... TN
KD4CWB KNOXVILLE .....100.0 TN
W4CAR CHESAPEAKE .....162.2 VA
N4TZE LYNCHBURG .....103.5 VA
KC8FJ MULLENS ..... WV

449.0250 / 444.0250
W4CML LAWRENCEVILLE .....127.3 GA
AE4PO WAYCROSS .....141.3 GA
KD4JFN HIGH POINT .....107.2 NC
WC4EOC FRANKLIN ..... TN
K4CRS KINGSTON ..... TN
K4RDK MEMPHIS ..... TN
WB3T ABINGDON .....103.5 VA

449.0500 / 444.0500
N4NEQ ATLANTA/MARIETTA .....151.4 GA
KE4NLL SALYERSVILLE .....127.3 KY
KB4PTJ WILLIAMSBURG .....100.0 KY
N4JDW WILMINGTON .....88.5 NC
W1WBT LAKE WYLIE .....136.5 SC
N4PYI NASHVILLE .....107.2 TN
WB3T FANCY GAP .....103.5 VA
KB4OLM STUARTS DRAFT ..... VA

449.0750 / 444.0750
W4FWD CARROLLTON .....131.8 GA
KB8SBN INDEPENDENCE .....110.9 KY
KD4BQH ROCKPORT .....77.0 KY
K4CCR ANDSN MT/DENVER .....88.5 NC
N4JDW BURGAW .....88.5 NC
WA4TCC SCOTLAND NECK .....156.7 NC
KC4PDQ MARYVILLE .....100.0 TN
KF4ATY MEMPHIS .....107.2 TN
KG4UHH NUNNELY .....100.0 TN
KD4TBC GRETNA/SMITH MT .....123.0 VA
K8OJC HURRICANE ..... WV

449.1000 / 444.1000
WR4CW ATLANTA/GLENRI .....100.0 GA
W4WSM BOWLING GREEN ..... KY
N4UL LOUISVILLE .....173.8 KY

KB5BRZ MERIDIAN .....131.8 MS
WR4AGC DURHAM ..... NC
KC4AC LANCASTER ..... SC
W4AM CHATTANOOGA ..... TN
KE4FH JOHNSON CITY ..... TN
KA4JXT MEMPHIS ..... TN
KE4CKJ STAUNTON/EL KNOB .....131.8 VA
N4AZIN WILLIAMSBURG ..... VA
N8ILO PARKERSBURG (OH) ..... WV

449.1250 / 444.1250
AF4PX KINGSTON ..... GA
KE4PVE PENDERGRASS .....100.0 GA
KB8QLC LEXINGTON .....88.5 KY
WB4GUG MCLEANSVILLE ..... NC
KC4ECD LAFAYETTE .....107.2 TN
KA4JXT MEMPHIS ..... TN
N8LVE BECKLEY ..... WV
N8RCG KEYSER .....103.5 WV

449.1500 / 444.1500
W4PME ATLANTA/BELL .....100.0 GA
WB4IVB MIDDLESBORO .....100.0 KY
WD5BJT CLERMONT HARBR .....77.0 MS
WB5YCR NEW ALBANY ..... MS
K4JDR #CLAYTON .....100.0 NC
AG4EI GASTONIA/CRWDR ..... NC
W4GL SUMTER .....123.0 SC
KE4LOY CHATTANOOGA ..... TN
AF4TZ NASHVILLE .....107.2 TN
KI4ZR LEXNGTN/ROCK MT ..... VA
KA1OKQ PEMBROKE, NH ..... ZZ

449.1750 / 444.1750
KE4PVE COVINGTON .....100.0 GA
KC4COV COVINGTON .....131.8 KY
W4FBC LILLINGTON .....118.8 NC
W2GLJ GERMANTOWN ..... TN
KC4NNN KNOXVILLE ..... TN
K4NRW ROANOKE .....103.5 VA
N8FMD CLARKSBURG .....103.5 WV

449.2000 / 444.2000
KR4PF MARION .....100.0 KY
KD4RTR PIKEVILLE ..... KY
WB4YNF #AHOSKIE .....131.8 NC
KE4QEA #KING/SAURATOWN .....100.0 NC
WA4US WILMINGTON ..... NC
KF4GHC #COLUMBIA .....156.7 SC
KD4HII CHATTANOOGA ..... TN
K4MFD GREENEVILLE .....173.8 TN
N4ARK NASHVILLE ..... TN
WB4VWR ENON ..... VA
W8FES FLATWOODS ..... WV

449.2250 / 444.2250
KE4SJO WOODSTOCK ..... GA
KF4RBD RINEYVILLE .....151.4 KY
K4GWH GREENSBORO .....146.2 NC
N4ARK NASHVILLE .....114.8 TN
WV8AR CHARLESTON .....123.0 WV

449.2500 / 444.2500
W4BOC DECATUR ..... GA
KF4DC GLADSTONE/CVCTY ..... KY
W4AKNI HENDSVL/BERWLW ..... NC
N4EWS LOUISBURG .....88.5 NC
K4SER WILLIAMSTON .....131.8 NC
WA4PAJ BARTLETT ..... TN
WQ4E GREENBRIER ..... TN
WA4TFZ CHARLOTTESVILLE .....151.4 VA
N8ZAR BUCKHANNON ..... WV

449.2750 / 444.2750
K4JLG CORNELIA .....100.0 GA
K4DDJ GRAY .....100.0 GA
KF4IFC CORBIN .....79.7 KY
KU4MJ DAWSON SPRINGS ..... KY
NC4BJ BUIES CREEK .....131.8 NC
W4NC WINSTON-SALEM ..... NC
W4GZX CLEVELAND ..... TN
WA4AXH LEBANON ..... TN
W4RDF #PRINCE GEORGE .....103.5 VA
KC8CSE DUNMORE .....123.0 WV

449.3000 / 444.3000
KC4GZX ATHENS/CRAWFORD .....127.3 GA
KC4YNY HOGANSVILLE ..... GA
KD4RTR ELKHORN CITY .....167.9 KY
KG4JNM LOUISVILLE .....156.7 KY
N4DRL BYHALIA ..... MS
KC5RC HEIDELBERG .....100.0 MS
WA4VTX ELIZABETH CITY .....131.8 NC
W4ZO MONROE .....100.0 NC
N4MNH CHARLESTON ..... SC
WB4GBI KNOXVILLE ..... TN
WA4BZU NASHVILLE .....107.2 TN
K4BW ACCOMACK .....156.7 VA
KI4ZR LEXINGTON ..... VA
W4XE HUNTSVILLE, AL ..... ZZ

449.3250 / 444.3250
KF4BMG MARIETTA .....79.7 GA
KF4AUF HOLLY SPRINGS .....100.0 NC
W4NYR SHELBY ..... NC
WA4BZU CLARKSVILLE .....107.2 TN
KB4KSL KNOXVILLE ..... TN
WB3T ROANOKE .....103.5 VA
KA8ZXP GLENVILLE ..... WV

449.3500 / 444.3500
W4CBA GAINESVILLE .....131.8 GA
KE4PVE NEWNAN .....100.0 GA
WR4SG VALDOSTA .....141.3 GA
K4CO WALTON .....123.0 KY
K4KAY CHARLOTTE .....118.8 NC
WB4IKY GIBSONVILLE .....107.2 NC
KR4LO GRANTSBORO ..... NC
WD4BKY GALLATIN .....114.8 TN
KD4CLA PIGEON FORGE .....156.7 TN
N4CH BEDFORD ..... VA
WB8YST CHARLESTON .....107.2 WV

449.3750 / 444.3750

KB4IZF JASPER .....103.5 GA
KD4DAR PIKEVILLE ..... KY
KB5HAV PEARL .....88.5 MS
N4DTR FRANKLIN .....131.8 NC
KB4WGA HENDERSON .....100.0 NC
KB4YTM HUNTINGDON ..... TN
KR4BT SPARTA .....123.0 TN
N4OWU FANCY GAP .....107.2 VA

449.4000 / 444.4000
WB4ULJ HAMILTON ..... GA
WB4HJG LULA .....71.9 GA
AC4VV SHEPHERDSVILLE ..... KY
KC4COV WITHAMSVILLE .....131.8 KY
K4MN FAYETTEVILLE .....100HZ NC
WA4KOG MEMPHIS ..... TN
N4PYI MT JULIET ..... TN
K4EAJ OAK RIDGE .....82.5 TN
N8LVE ALDERSON/SAM BLK .....100.0 WV
N8HON MADISON, VA ..... ZZ

449.4250 / 444.4250
K4PE HELEN .....127.3 GA
W4LAW SUMMERVILLE .....100.0 GA
KD4EVB DRY RIDGE .....107.2 KY
KF4QZN MORGANTOWN .....179.9 KY
N4HAJ FOUNTAIN .....88.5 NC
NC4UC MONROE .....94.8 NC
WQ8R ALGOOD .....88.5 TN
KC4NNN KNOXVILLE ..... TN
WA4ISI ALTAVISTA .....100.0 VA
KB8TJH SHIRLEY ..... WV

449.4500 / 444.4500
W4DOC ATLANTA .....146.2 GA
KO4OT SIMPSONVILLE .....100.0 KY
KD5AHI ABERDEEN .....210.7 MS
KB5LCL JACKSON .....141.3 MS
W4CQ CHARLOTTE ..... NC
WR4AGC HILLSBOROUGH .....100.0 NC
N4DTM WAYNESVILLE ..... NC
WA4US WILMINGTON ..... NC
W4CAT GALLATIN .....107.2 TN
WJ9J SODDY DAISY ..... TN
W8MOP BLUEFIELD ..... VA

449.4750 / 444.4750
KD4GEY FOLKSTON ..... GA
N4CLA SWEAT MT/MARIETT ..... GA
KF4QZN MAMMOTH CAVE .....179.9 KY
AD4BI PIKEVILLE ..... KY
KG4BTN GREENSBORO .....107.2 NC
N4ZKR NEWBERN .....107.2 NC
N4ZKR SUMMITVILLE .....107.2 TN
AD4ZK NORFOLK .....127.3 VA
K8VE BUCHANNON .....146.2 WV

449.5000 / 444.5000
W4MM ALBANY ..... GA
KD4GPI ATLANTA .....110.9 GA
N4BZJ DALTON .....118.8 GA
KD4GMH MANCHESTER .....103.5 KY
W5LRG MERIDIAN .....107.2 MS
W4PAR LEXINGTON ..... NC
WA4JEH TARBORO .....100.0 NC
K4NOC BISHOPVILLE .....123.0 SC
KE4CCB BLUFF CITY .....77.0 TN
K4DAV COOKEVILLE ..... TN
N4WAH MEMPHIS ..... TN
K4CQ LYNCHBRG/TOB MT .....136.5 VA

449.5250 / 444.5250
W4GR SNELLVILLE .....82.5 GA
KJ4VF GRETHEL ..... KY
N5NNI NEW HEBRON ..... MS
W4RNC RALEIGH .....82.5 NC
WA4ZRS WAXHAW .....94.8 SC
N4LV MYB BCH/BRKSVIL ..... SC
KD4IBW KNOXVILLE .....100.0 TN
WA4BGK NASHVILLE .....107.2 TN
WB8YST BECKLEY/OAK HILL .....110.9 WV

449.5500 / 444.5500
WB4JEH CONYERS .....151.4 GA
K4DC LEWISPORT ..... KY
KC4DUU LEXINGTON ..... KY
K4JDR BENSON .....100.0 NC
N4GAS GASTONIA/SPCR MT ..... NC
WA4BQM ROANOKE RAPIDS .....192.8 NC
KG4BZN WALTERBORO .....123.0 SC
KK4TD COOKEVILLE .....107.2 TN
WF4Q MCNAIRY .....107.2 TN
WA4PCD NASHVILLE ..... TN
KB4WTP COPPER RIDGE .....103.5 VA
W4QR HAMPTON .....167.9 VA
K4CQ WINTERGREEN .....136.5 VA

449.5750 / 444.5750
KC4YAP DEVEREUX .....100.0 GA
W4SOT DOUGLASVILLE .....88.5 GA
N4MVY PHELPS ..... KY
KC5CLM PORT GIBSON .....141.3 MS
KC4FWC BOONE/RICH MT .....77.0 NC
W4BAD DURHAM .....88.5 NC
N4HAJ KINSTON .....88.5 NC
K2PJ MYRTLE BEACH .....85.4 SC
W4BBB KNOXVILLE/RACK .....100.0 TN
WA4WCK NASHVILLE ..... TN

449.6000 / 444.6000
W4PSZ FAYETTEVILLE .....77.0 GA
WA4NKL QUITMAN .....127.3 GA
KF4WMM BRUSHY FORK .....88.5 KY
N4NMC LOUISVILLE .....151.4 KY
KC4FIE MADISONVILLE ..... KY
WA4SJH SPRINGFIELD ..... KY
KB5CO JACKSON .....100.0 MS
W4BFB CHARLOTTE .....100.0 NC
NO4EL OXFORD ..... NC
KT4YW NO. CHARLESTON ..... SC
WA4PPL COOKEVILLE .....107.2 TN
WA4AUX PROSPECT .....118.8 TN

KA8TCF WESTON ..... WV

449.6250 / 444.6250
K4EDN BONAIRE .....82.5 GA
W4CBA CUMMING .....123.0 GA
KC5BMJ KINGSLAND .....118.8 GA
N1BPP MOULTRIE .....123.0 GA
KB4QFL HAWESVILLE ..... KY
KE4ISW RICHMOND .....192.8 KY
AB5MU NETTLETON .....192.8 MS
N5OCF RICHTON ..... MS
WB4DVN LUMBERTON ..... NC
WD4EOG CLEMSON UNIV. .....156.7 SC
WT4E COLLIERVILLE .....107.2 TN
KD4TUD JEFFERSON CITY ..... TN
WA4TOA NASHVILLE .....107.2 TN
WZ8E BLUEFIELD ..... VA
W4HCH SOUTH BOSTON ..... VA

449.6500 / 444.6500
KF4CXL MCINTYRE .....77.0 GA
N4IBW SMYRNA ..... GA
WB4FUR STENNIS SPC CEN ..... MS
N5NBG WALLS ..... MS
NE4J MIDDLESEX .....179.9 NC
KJ4HF SALISBURY .....88.5 NC
WA4US WILMINGTON ..... NC
N4UHF LAKE MURRAY ..... SC
WB4NKM GREENVILLE .....100.0 TN
W4CAT SHRT MT/MURFREB .....107.2 TN
WD4BSB CHRISTIANSBURG .....107.2 VA
N4EHJ RICHMND/CHLTVL ..... VA

449.6750 / 444.6750
KC4CBQ HIAWASSEE .....186.2 GA
KN4YZ TYRONE/PTC .....77.0 GA
KC4VYX ROBINSON CREEK ..... KY
KF4AWA SALVISA .....203.5 KY
N5PS GREENVILLE .....100.0 MS
W4WBT CHARLOTTE ..... NC
KE4JDP #LAWRENCEBURG .....88.5 NC
KD4RAA RALEIGH .....100.0 NC
W4GS MYR BCH/CONWAY .....85.4 SC
WA4PCD NASHVILLE ..... TN
WD4MIZ NORFOLK .....107.2 VA
K4IJ PEARISBURG .....103.5 VA
AB8WB GASSAWAY .....123.0 WV

449.7000 / 444.7000
WB4SBT BYRON .....103.5 GA
WD4LUQ DALLAS .....77.0 GA
KF4BJM VALDOSTA .....141.3 GA
WB4JJM BOWLING GREEN .....136.5 KY
AD5IT GRENADA .....107.2 MS
NC5Y JACKSON ..... MS
KD4BGD LUMBERTON .....114.8 NC
N4JEH ROCKY MOUNT .....107.2 NC
AE4GA STATESVILLE .....94.8 NC
AG4UW CENTERVILLE .....107.2 TN
KF4VDX MARYVILLE .....127.3 TN
N4ZKR PALMER .....107.2 TN
K4AU DANVILE/WHT OAK ..... VA
N4WWB GATE CITY ..... VA
WB8QDV HERNSHAW .....203.5 WV
K8LG MORGANTOWN ..... WV

449.3250 / 444.7250
KC4FWC #BLADENBORO .....77.0 NC

449.7250 / 444.7250
AG4PR DALLAS .....123.0 GA
KD4AOZ WATKINSVILLE .....123.0 GA
KY4K HENDERSON .....203.5 KY
KE4ISR LEXINGTON ..... KY
W4ZCD HICKORY FLAT .....179.9 MS
KC4FWC #BLKENBORO .....77.0 NC
KD4MMP WINSTON-SALEM .....107.2 NC
KC4KPJ ROCK HILL .....127.3 SC
WA4AKM FRANKLIN .....107.2 TN
WB0TMC JACKSON .....107.2 TN
N4CKB SEVIERVILLE .....123.0 TN
KF8FO LEWISBURG .....103.5 WV

449.7500 / 444.7500
KC4ELV CONYERS .....162.2 GA
N4ZRF LAKEMONT ..... GA
KC8ERN #ASHLAND .....88.5 KY
KE4AIF HOPKINSVILLE .....103.5 KY
WB9SHH MONTICELLO ..... KY
KD5GVU STARKVILLE ..... MS
NC4GC GASTONIA ..... NC
KD4JFN PITTSBORO .....146.2 NC
K4TC HENDERSON ..... TN
KF4VWJ HIXSON .....100.0 TN
N4PYI MT JULIET .....156.7 TN

449.7750 / 444.7750
N4NEQ ATLANTA/MARIETTA .....151.4 GA
N4MXC COCHRAN ..... GA
N4IWZ ALLEN .....123.0 KY
KC4UPE #HICKORY .....167.9 KY
K4JDR CARY .....100.0 NC
KR4EX OLD FORT ..... NC
WA5KUB CORDOVA .....100.0 TN
WA4AKM GALLATIN .....107.2 TN
KF4UCI #CHARLOTTEVILLE ..... VA
WD4KZK SLINGS GAP .....107.2 VA

449.8000 / 444.8000
WA4ASI COVINGTON .....88.5 GA
W4BEJ ELIZABETHTOWN ..... KY
KB5CO JACKSON ..... MS
WB4PMQ GREENVILLE .....131.8 NC
KF4LUC HICKORY .....94.8 NC
K4YEC REIDSVILLE .....107.2 NC
KD4QMS SOUTHERN PINES .....118.8 NC
K0JXI MEMPHIS ..... TN
KD4LP #MORRISTOWN ..... TN
N4PYI NASHVILLE .....110.9 TN
KB4MIC OILVILLE ..... VA
WV8B BECKLEY/OAK HILL .....100.0 WV
W8CUL MORGANTOWN ..... WV

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Concludes

449.8250 / 444.8250
W4DOC ATLANTA .....146.2 GA
KC4UPE BEATTYVILLE .....192.8 KY
KC4VXR SALEM .....100.0 KY
KB5DSN AMORY ..... MS
KF4UY MT AIRY/FSH PK .....100.0 NC
KD4RAA NEWPORT .....100.0 NC
K4GWH RALEIGH .....146.2 NC
K4ILT HOLLY HILL .....103.5 SC
KE4FGW MARYVILLE .....100.0 TN
K5FE MEMPHIS .....107.2 TN
N4PYI SMITHVILLE .....107.2 TN
WA4ZBP STAUNTON .....131.8 VA
N8RKU CHARLESTON .....123.0 WV

449.8500 / 444.8500
N4BZJ DALTON ..... GA
N4YXL GREENSBORO .....103.5 GA
KG4OGC HINESVILLE ..... GA
KF4QZN HORSECAVE .....179.9 KY
AA4NI NEBO ..... KY
AB5DU INDIANOLA .....136.5 MS
KC5LXF PINOLA ..... MS
W4CQ CHARLOTTE ..... NC
W4BAD RALEIGH .....100.0 NC
WN4Z ROCKY MOUNT .....131.8 NC
K4GMP WILMINGTON .....88.5 NC
WB4NNX HOHENWALD .....100.0 TN
WD4MWQ MCMINNVILLE ..... TN
K7AG MEMPHIS .....107.2 TN
KF4VDF POUND .....103.5 VA
AB4SF RICHMOND ..... VA
WD4KZK ROANOKE/READ MT .....107.2 VA
WB8ZER HUNTINGTON/CHAS .....131.8 WV

449.8750 / 444.8750
KE4UAS MCDONOUGH .....82.5 GA
KE4RJI TIFTON ..... GA
KC4UPE SALVISA .....167.9 KY
N5HTQ MCCOMB .....100.0 MS
KD4RAA #LOUISBURG .....100.0 NC
WB4U WINGATE .....127.3 NC
KD4UWA CHAT/MNTLAKE MT .....156.7 TN
WA4AKM NASHVILLE .....107.2 TN
KB4WTP BIG A MTN ..... VA

449.9000 / 444.9000
KD4BOO AUGUSTA ..... GA
N4BBQ DAHLONEGA .....100.0 GA
WB4IVB CORBIN .....100.0 KY
W4YWH HIGHLAND HEIGHTS .....123.0 KY
KY4SP HUDSON .....179.9 KY
W4EWN NEW BERN .....100.0 NC
W4EJ WILSON .....179.9 NC
K4SHP MYR BEACH/AYNOR .....123.0 SC
WB4MMI RAMER ..... TN
W4LYR WATERTOWN .....100.0 TN
WA4CQK FANCY GAP .....100.0 VA
N8SCS BELINGTON .....141.3 WV
NV8H LOGAN .....203.5 WV

449.9250 / 444.9250
WA4NNO ATLANTA ..... GA
WB4NFG IRWINTON .....77.0 GA
N4PJR JESUP .....141.3 GA
KY4X GLASGOW ..... KY
KO4LI OLIVE HILL ..... KY
N5PYQ SOUTHAVEN .....107.2 MS
WB5TTE VICKSBURG ..... MS
KB4WGA DURHAM .....100.0 NC
K4OBX HATTERAS ISLAND .....131.8 NC
N4XRY MOUNT AIRY ..... NC
N4NTO TARBORO .....118.8 NC
AC4RZ EASLEY/SAS MTN .....103.5 SC
KI4CB GEORGETOWN ..... SC
WA4AKM COLUMBIA .....107.2 TN
N4VIH DOVER ..... TN
KD4TZD KNOXVILLE ..... TN
KD4FWS FANCY GAP .....100.0 VA
WB8BON ROANOKE/TINKER M..... VA

449.9500 / 444.9500
W4TL CLERMONT .....131.8 GA
WR4MG PERRY ..... GA
N4DUE LEXINGTON ..... KY
WB5YGI PHILADELPHIA ..... MS
N5VGK TUPELO .....192.8 MS
WA1WXL CHARLOTTE .....136.5 NC
KF4DWV GREENSBORO .....100.0 NC
KF4HFQ ROLESVILLE .....88.5 NC
KD4PBC CHARLESTON .....103.5 SC
W4EYJ CROSSVILLE .....118.8 TN
K4GX GREENEVILLE ..... TN
WB4NNE MEMPHIS ..... TN
N8ITF SPRINGFIELD .....100.0 TN
WA4KXV VIRGINIA BEACH ..... VA
WB8CQV SO. CHARLESTON .....203.5 WV

449.9750 / 444.9750
WA4YNZ ATLANTA ..... GA
K4TVE BRUNSWICK ..... GA
W4MAZ COCHRAN .....77.0 GA
WA4YNZ #CUMMING ..... GA
KC4QK ASHLAND .....107.2 KY
WB4CWF NICHOLASVILLE ..... KY
N5PS O'REILLY .....100.0 MS
KE4QAP ASHEBORO ..... NC
N4JEH CASTALIA .....107.2 NC
W4YMI NEWPORT CCARS ..... NC
KC4ZTJ POLKVILLE ..... NC
WM3O ORANGEBURG ..... SC
KQ4E MORRISTOWN ..... TN
WA4AKM NASHVILLE .....107.2 TN
N4AZJ PEARISBURG .....103.5 VA
N8EKT WHEELING ..... WV

441.8250 / 446.8250
KC4NSE #BLACKSTONE ..... VA

443.7750 / 448.7750
W4RKC WINCHESTER .....146.2 VA
KA1OKQ CONCORD, NH .....82.5 ZZ

443.8250 / 448.8250
KQ4CI #ASHBURN ..... VA

439.2500 / 911.2500
KA5NOJ GAUTIER ..... MS

426.2500 / 923.2500
K4CQ LYNCHBURG ..... VA

439.2500 / 923.2500
KY4ATV #LEXINGTON ..... KY

900 MHZ

907.5000 / 919.5000
WD4KZK ROANOKE/POOR MT .....107.2 VA

908.5000 / 920.5000
KF4TNP LEWISBURG ..... TN

908.8000 / 920.8000
KQ4E MORRISTOWN ..... TN

909.0000 / 921.0000
K4CQ LYNCHBRG/TOB MT .....100.0 VA

908.1000 / 921.1000
WA1ZMS BEDFRD/APL ORCH .....100.0 VA

910.2500 / 923.0000
WA4VHP #SAVANNAH ..... GA
K4ZGA NASHVILLE ..... TN

902.4875 / 927.4875
KB0Y VALDOSTA .....141.3 GA
N4JNE FANCY GAP .....100.0 VA
W3PS CHESTER, PA ..... ZZ

902.5000 / 927.5000
KG4LMT ATLANTA .....223.0 GA

902.5125 / 927.5125
KE4PAB PICKENS .....100.0 SC
W3PS EAGLEVILLE, PA ..... ZZ

902.5250 / 927.5250
N8EKA DAHLONEGA .....100.0 GA

902.5375 / 927.5375
W3PS OCEAN CITY, NJ ..... ZZ

902.5500 / 927.5500
WA4TOG BEAR WALLOW .....131.8 NC

902.6125 / 927.6125
KB4WGA DURHAM .....100.0 NC

902.6625 / 927.6625
N2QJI CONCORD .....141.3 NC
W4FAL RALEIGH .....156.7 NC
N4DTR WAYNESVILLE .....131.8 NC

902.7250 / 927.7250
KA4MKG LEXINGTON .....DCS75 KY

1270 MHZ

1265.0000 / 421.2500
N4BZJ DALTON ATV ..... GA

1253.0000 / 427.2500
N4NEQ ATLANTA/MARIETTA ..... GA

1277.2500 / 439.2500
KD4EEW NASHVILLE ..... TN

1260.0000 /1240.0000
W3PS CHESTER, PA ..... ZZ

1277.2500 /1253.2500
W4PPN #CHARLOTTE ..... NC

1270.5250 /1282.5250
N2QJI CONCORD .....141.3 NC

1271.1000 /1283.1000
WA1ZMS BEDFRD/APL ORCH .....100.0 VA

1272.4000 /1284.4000
WA4AKM NASHVILLE ..... TN

1273.3000 /1285.3000
KF4TNP LEWISBURG ..... TN

1274.0000 /1286.0000
K1YJ NASHVILLE .....88.5 TN

1274.5000 /1286.5000
KB4ZOE SMITHVILLE ..... TN

1271.0200 /1291.0200
N4CH ROANOKE/POOR MT ..... VA

1271.4100 /1291.4100
AD4DN WILMINGTON .....88.5 NC

1272.0000 /1292.0000
KB4KIN ATLANTA/BELL ..... GA
N4HKS MEMPHIS ..... TN

1272.8200 /1292.8200
AG4EI GASTONIA/CRWDR ..... NC

2.4GHz

2441.6000 /2411.6000
WA1ZMS BEDFRD/APL ORCH ..... VA

SOUTHEASTERN REPEATER ASSOCIATION sera MEMBER

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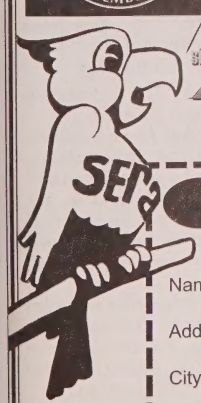

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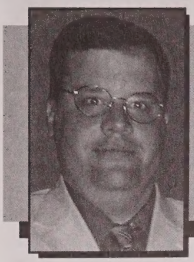

KENTUCKY

REPORTED BY
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Nice to see you again! Spring has sprung in Kentucky. If you would like to share news with the *Repeater Journal*, please email me at the address by my photo. I want to share as much about clubs, repeater owners and individuals with accomplishments as possible. Sometimes column space can get a little tight, but I try sharing everything I receive with you.

DANVILLE REPEATER LOSING TOWER SPACE:

Danville's **Wilderness Road Amateur Radio Club** will be moving the 146.655-WD4DZC repeater soon. According to trustee George Griebe WQ4Z, the tower supporting the repeater's antenna is to be taken down and not replaced. He said the club is "looking for a place to relocate. We plan to keep the repeater on the air using a temporary antenna giving reduced coverage." Griebe is working with SERA for coordination when a new location becomes available.

REPEATER SPOTLIGHTS:

• The **Marshall County Amateur Radio Association**'s 147.130 KC4KAN repeater has been recoordinated to 145.390.

• The 146.880 KA4UHL machine in Somerset is a team effort. The repeater is operated by the **Lake Cumberland Amateur Radio Association** and maintained by the **Pulaski County Repeater Group (PCRG)** according to trustee Don Munsey KA4UHL. Sharing equipment duties with Munsey are Mike Brock WB4DBZ and Robert Miller KG4YAT. Other members of the PCRG contribute by taking care of the ground and the building in western Pulaski County.

The modified GE Master II repeater with an effective range of 40 miles will be getting a 7/8" Heliax feedline upgrade soon. Practice weather nets are held on the repeater each Sunday at 8:30 PM and during severe weather. An ARES net is held each Tuesday at 8:30 PM. The repeater has emergency power and a phone patch.

• The **Northern Kentucky Amateur Radio Club**'s K4CO 147.225 repeater is located in Edgewood, KY, and hosts the club's net Tuesday's at 7:30 PM, according to NKARC President Mike Wagoner KB4VKS. The repeater has an effective range of 40 miles and is maintained by Harold Blocher, Sr. W4YWH and Jerry Fronk WB8WEV. Wagoner went on to say that the repeater has a CAT 1000 controller, and a digital voice recorder is planned. He and the rest of the NKARC invite all amateurs to use this repeater, and the other club machines on 147.375, 146.895 and 444.350.

News Bits:

• Forty-four **Kentucky ARES** and **KY ARMY MARS** operators provided communications support to the 1st Army, KY National Guard, and Emergency Management during a four-day exercise starting March 21 simulating a major earthquake in the New Madrid Fault Zone. (Note: The 1811 and 1812 quakes that occurred on the fault were the strongest to date in the continental US).

KY Section Emergency Coordinator Ron Dodson KA4MAP said that, "amateurs provided communications" in a portable command post trailer which served as a forward EOC and "support assistance in preplanning sites for future deployments of emergency repeaters and other communications systems."

Dodson continued "Malcolm Franklin, KyEM Director expressed his sincere thanks to the Ky amateur radio community and said that without amateur radio's response, it is unlikely that little if any information would have flowed in the first hours or even possibly days, of such a catastrophe. By working as a unified team, ARES and Army MARS operators sustained vital response communications at a time when there was no other means for state officials to make an informed response."

• Members of the **Laurel County Amateur Radio Association** put their training to the benefit of their community (see "Release the Hounds" on page 62).

After hearing interference to the Laurel County EMS repeater on the scanner, they set out to find the problem. According to Stanley Baker KD4ERF, Rodney Chadwell KG4LKY feared it was a new repeater he was testing on 146.925. Eliminating that, Chadwell, Jessica Smith KG4KBW and Ronald Smith KG4RFK decided to use their skills to find the problem.

After tracking the signal, they ended up downtown at the ambulance service building. Baker continues, "Driving along Fifth Street at the intersection with Mill Street the interference became very strong. Checking the area in an alley behind the ambulance service building, their fox hunting devices indicated that the fox was one of the ambulances parked beside the building. It seemed that it had developed some kind of voltage problem causing it to key up at various intervals." The three notified dispatch, and officers were sent to shut off the transmitter. Good job!

• **St. Aloysius School's Amateur Radio Club** received front-page recognition from Louisville Roman Catholic Archdiocese's 68,000 subscriber *The Record* newspaper.

Part of the ARRL's "Big Project," Bob Meyers KG4ERU reports, "the club was organized by Buddy Sohl KC4WQ through the **Bullitt Amateur Radio Society**. Teacher Hester Reinacker sponsors the club for St. Aloysius in Shepherdsville, KY. Amateur operators Ken Buley, KE4AWY and Ken Weikel, KF4BAR also assist in club activities."

One of the successes in the program is that 3 of the 15 students involved have raised their science grades from a C to a B. More information on the club, and the article can be found at **www.qsl.net/nbcg/radiokids.html**.

• Bill Fuqua, WA4LAV of Lexington teaches the "Radio Theory and Construction Workshop" in the **Bluegrass Amateur Radio Society** shack at the Lexington Red Cross Building.

According to Fuqua, "This workshop is for anyone interested in the subject of radio theory or construction. Anyone may join the workshop at any time. This workshop does not really have a beginning or an end. It is a continuing effort to help those that are interested in knowing more about the internal workings of radios (receivers, transmitters and antennas) and/or building them.

A ham license is not required and there are no age restrictions. I encourage young students to participate. For more information and meeting dates, contact Fuqua at 859-272-9523 or wlfuqu00@uky.edu.

• The **KY Emergency Net** has changed frequency. It is now on Monday at 19:30 EST/ 18:30 CST on 3.993.5 MHz.

• The **KY Amateur Radio Web Site** has moved to **www.kyham.net**. ■

KY Hams in 4-day earthquake exercise

Ron Dodson KA4MAP, Ky SEC

From the pre-dawn hours of Sunday March 21 until 1800 UTC on Wednesday, March 24, members of the Ky Amateur Radio Emergency Service and Ky ARMY MARS joined together to provide support communications between counties of western Ky and the state EOC in Frankfort. During a 4 day exercise efforts were dedicated to simulate and better plan for an earthquake along the New Madrid Fault of similar size to those of the 1811-1812 quakes. These 1811 and 1812 earthquakes in the New Madrid Fault Zone were the largest earthquakes known to have ever occurred with the continental US.

To add to the realism of the event, all fixed site repeaters and normal communications infrastructure used by the state or Department of Military Affairs were deemed *out of commission* and were not used. Ky Amateur Radio operators used HF, VHF and UHF equipment to carry ALL communications that went out of western Ky on Sunday.

Two amateur radio mobiles provided HF mobile communications while escorting a state mobile command post trailer to a training facility in Greenville, where a forward EOC was established to serve as a clearing house and relay point between Franfort and the western third of the state.

Patrick Compton, KF4FMZ/AAR4QZ looks on as a Ky Army NG Sgt addresses the Noon 3/24/04 Army MARS Net on 7 Mhz.

On Monday through Wednesday, amateurs provided communications and support assistance to KyEM, Ky National Guard and 1st Army in pre-planning sites for future deployments of emergency repeaters and other communications systems in the event of a large earthquake to the central United States.

By working together with the served agencies, amateur radio communications were carried on until state and military units could erect new, portable repeaters at locations to lessen the burden on amateur radio.

Malcolm Franklin, KyEM Director expressed his sincere thanks to the Ky amateur radio community and said that without amateur radio's response, it is likely that little if any information would flow in the first hours or even possibly days of such a catastrophe. By working as a unified team, ARES and Army MARS operators sustained vital response communications at a time when there was no other means for state officials to make an informed response.

LESSONS LEARNED

1. EOC's with established and pre-tested amateur stations did the best. Those used for multi-purposes where everything is torn apart and packed away can be a bear to get up and running.

2. Any established EOC or MCP needs to have detailed handbooks with equipment operating manuals and wiring diagrams handy for use by any amateur not familiar with the system.

4. A 100ft piece of RG-8 cable will get your antenna away from the immediate area, and reduce interference to telephones and other equipment.

5. Using a single frequency is not a realistic option. We'll need more than one HF frequency to handle all of the traffic that will be flowing. We need at minimum a tactical channel AND a traffic channel (possibly more).

KYEM Information Systems Branch Manager Bob Stephens WA4CMO, talking to the State EOC on 7.228 MHz.

For localized disasters, multiple VHF or UHF radios can be used. And plan on propagation disturbances. Example; one day, forty meters went multi-hop and western Ky could go no farther than about Elizabethtown, requiring relays to the state EOC.

6. Plan for multiple HF stations to keep up with communications carried out either over great distances to the state EOC or by combined ARES/RACES and MARS efforts.

7. Dry Erase status boards at the amateur radio operating positions can be useful to list frequencies and NCS's, important deployment assignments etc. in a format that is more viewable by anyone needing quick access to the info.

8. Have in place backup radios and power supplies that can be interchanged quickly. The longer and more critical the operation, the more important this becomes.

9. Many need to refresh their knowledge of the phonetic alphabet. Cute, off the cuff phonetics do not help in a disaster.

10. During exercises, we cannot ask for an official FCC EMERGENCY COMMUNICATIONS DECLARATION. Be prepared to be assailed by other amateurs wanting you to vacate "THEIR FREQUENCY!" This occurred twice during the four days we operated. If amateur radio ever goes dark, it will be because of nonsense like this!

11. Standardized connectors for all gear such as the Anderson power pole will better enable equipment substitutions in a pinch.

12. DOCUMENTATION IS A KEY ISSUE in exercises as well as disasters. Did the net controls archive their notes and participant rosters or did they throw them in the round file a few days after the operation?

13. As soon as you finish a shift, write down any thoughts you have regarding things that could have gone better, most importantly add ideas for WAYS to make them work better.

photos by Ron Dodson KA4MAP

Patrick Compton KF4FMZ/AAR4QZ operating one of the many radios in this well equipped Crown Vic.

Computer Automation Technology, Inc.
WX-200 Digital Weather Receiver

The NOAA Weather Radio Network broadcasts National Weather Service warnings, watches, forecasts and other hazard information 24 hours a day. With so many unsettling weather conditions, don't you think its time to provide timely weather alerts for your repeater group?

Specific Area Message Decoder

A digital decoder responds to Specific Area Message Encoded (SAME) alerts transmitted by the NOAA weather station located in your area. Select your county code and the type of alert. Select warnings and/or watches.

Voice Synthesizer Alert Message

Imbedded in the alert information packet is the time the warning or watch is in effect. The voice synthesizer will key-up the transmitter and announce the alert. "Severe Thunderstorm Watch," "Tornado Warning," "Winter Storm Warning," "Flash Flood Watch," and the new ***Amber Alert*** *for missing children are just a few.*

Alert Message Transmit Timing

At the conclusion of an alert, a termination packet turns the transmitter off.

Repeater Interface

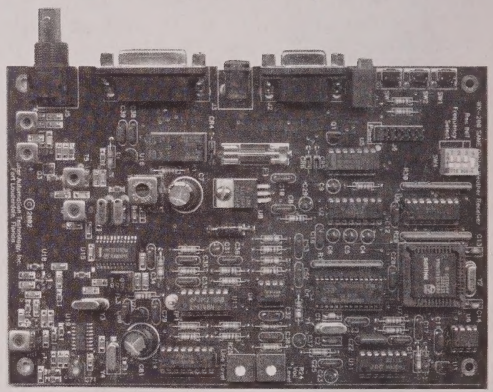
The WX-200 has been designed to easily interface to your repeater. A minimum of four connections is all that is required.

Weather Enable Input

Ground this input to provide weather reports on demand.

Weather Disable Input

Ground this input to prevent future alerts once a Skywarn net is activated.



Weather Alert Log

The WX-200 stores the date, time and type of alert in memory. Use the RS-232 port and the configuration program to download the log.

Alert Start Logic Output

This output provides a TTL logic high when a weather alert is received. It can be used to set off an external alarm or trigger the controller to execute a macro or load a memory save.

Alert Stop Logic Output

Included in the digital packet is the length of the alert. The WX-200 generates a stop logic output when the time period has expired. Use this output to reload a normal memory save.

Ordering Information

WX-200 *Digital Weather Receiver, With Windows® Configuration Program:* ***$299.00.***

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Phone: (954) 978-6171 - Fax: (561) 488-2894

Internet: http://www.catauto.com

MISSISSIPPI

REPORTED BY
CHARLES DIAMOND
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KG4CKW@SERA.ORG

HELLO FROM MISSISSIPPI

It is spring in Mississippi and all is going well. Time to get to those repeater or antenna projects that have been put off during cold weather. I have been doing quite a bit of climbing myself and hope to do even more to get some stuff working right. Just got some more antennas on the air here at home for 2 meter sideband and I really look forward to the summer contests.

On to the news.

The **Monroe County ARC** has been pretty busy the last few months and has added me to their email list for their club newsletter. So here is what they have been up to:

Jacky Schwartz KA1RBC was awarded Ham of the Year for 2003. Jacky has been a vital member of the club and served as club President for 5 years. He has completed the ARRL Emergency Communications 001 and has accepted the position of Assistant Emergency Coordinator for Monroe County. Jacky has helped promote the sprit of amateur radio in the club and in the community.

The club also started a successful Monday Night Net. The net has as many stations checking in some older nets. It's called every Monday night at 7:30 PM local time on the 147.27 MHz Aberdeen repeater, so if you're around that area please check in.

And the club has a new place to meet thanks to Leon Sharp who arranged this with Robert Irvin of Irvin Electric. Mr. Irvin has given the club use of his business facilities for monthly meetings and club activities. The building is located on Hwy 45 in Lackey between Aberdeen and Hamilton.

The **Boy Scouts of America, Push-mataha Area Council** asked the club to help with a merit badge session to be held in Tupelo. Ken Campbell AD5DO volunteered to assist in the event and was pleasantly surprised by the number of club members who wanted to help. Sixteen Scouts earned their radio merit badge.

Finally the club elected new officers in January. They are:

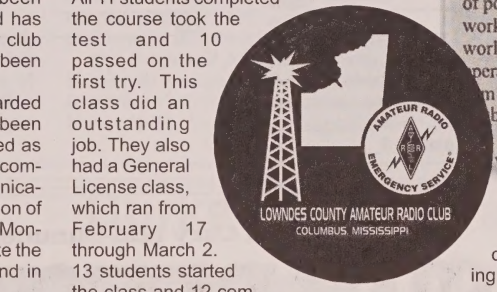
President	Ken Campbell AD5DO
VP	Leon Sharp K5BUL,
Treasurer	Jacky Schwartz KA1RBC.

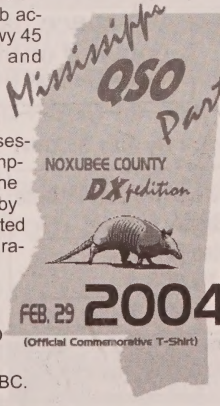
The Lowdes County Amateur Radio Club has been doing all kinds of stuff lately. The members voted to have a contest to design a club logo. Keith AD5LH won the contest and will get a free T-shirt. This logo will be used for club hats, T-shirts and other stuff to help also raise money for the club.

Club members have been busy teaching classes in Ham radio. First they had a Technician License class, which started with 16 students. The course ran from January 13 through February 3 for 8 nights. Five folks dropped out leaving 11 students. All 11 students completed the course took the test and 10 passed on the first try. This class did an outstanding job. They also had a General License class, which ran from February 17 through March 2. 13 students started the class and 12 completed the course. All 12 took the test and 8 students passed on the first try.

Several of the club members participated in the **Mississippi QSO Party** by making a DXpedition to **Noxubee County.** There are no hams in Noxbuee County. They went down Friday evening and put up antennas, operated Saturday and took down the antennas Sunday. Keith AD5LH designed a logo for the DXpediton that they put on T-shirts and QSL cards. (They also sent me one – thanks you guys.) They became interested in what the Choctaw word Noxubee meant and thought someone might ask, so they looked it up. Noxubee means *stinking water.*

Finally, I thought I would share something really neat that occurred a few months back here in Mississippi. **Jake Jacob K6LSU** lives in a little town called Jayess. The local paper printed an article about Jake passing his General Class License test. This is great! What a joy to live in a small town.





Lowdes County Logos:

We need to sign Keith up for the Repeater Journal Graphic Arts Department!

Providence New

Call 587-2155 with your news!

By Judy Johnson

Congratulations to Jake Jacobs who took the Ham radio operators test on Saturday, January 17 in Hattiesburg and passed, making his title "General" now. He was titled "Technician" before. As technician he was licensed to work on 200 watts of power, as general he will be licensed to work on 1500 watts. He will be able to talk world wide. Jake is one of only three ham operators in Lawrence County. Jim Maginn, m operator of Hattiesburg Amateur Radio b went with Jake to Hattiesburg for the then visited here with Jake. Next Jake work on the "Extra" license. Jake's ham

Well that about does it for me this quarter. Keep those newsletters coming and keep on climbing.

73, KG4CKW

Your correspondent going down a water tank in Hattiesburg after installing a new repeater antenna for the 443.350 repeater.

29th Annual Western Carolina Hamfest

An ARRL Sanctioned Event

Saturday
July 24, 2004
8:00 AM to 4:00 PM
Haywood County Fairgrounds
Free Tailgating - Free Parking

Talk-in: 146.91, 147.39, 145.19

VE Testing - Bingo - Hourly Prizes - Beautiful Scenery
Limited On-Site Camping Available - Reservations Required

www.wcars.org/hamfest/

GRAND PRIZE: HF Transceiver

Second Prize: 2/440 Radio — Pre-Registration Prize: 2 meter Handheld

Advance Tickets @ $5.00 Each ($6.00 at the Gate) - Covered Flea Market Tables $10

For additional information: contact Dean Blair K2JB, Hamfest Chairman k2jb@arrl.net

Name_____ Call_____
Address_____ Phone_____
City_____ State_____ Zip_____

Mail SASE to:
WCARS Hamfest
PO Box 1488
Asheville, NC 28802

Pre-Registration Tickets @ $5.00 each $_____
Covered Flea Market Tables @ $10.00 Each $_____
Friday Night Camping @ $10.00 each $_____
Total $_____

Pre-Registrations received after 7/15/04 will be held @ gate

The 32nd Annual Cary Mid-Summer

SWAPFEST

Saturday, July 17, 2004

At The Air-Conditioned Herb Young Community Center on Academy Street

Tickets $5.00 (Advance $4.00)
for info, e-mail: *n4nc@arrl.net*

Dealers, Prizes, VE Exams, Forums
Indoor and Outdoor Flea Market

New:
400 space parking deck with *covered* outdoor flea market
(8' height limit - watch your antenna!)

Cary Pre-Registration Form (Postmark By July 8, 2004)

Name_____
Address_____
City_____ State____ Zip_____
Callsign _____

____ Pre-Registration Tickets @ $4.00 Each $_____
____ Tables (6-Foot) @ $10.00 Each $_____
Total Enclosed $_____

Mail to: Cary Amateur Radio Club, P.O. Box 53, Cary, NC 27512-0053
INCLUDE S.A.S.E. (If No S.A.S.E. - Tickets will be held at the Door)

Food and Drinks On The Premises

Talk-In On: 146.88-
Doors Open at 8:00 AM

Important Note: Weapons and Pornographic materials may NOT be displayed or sold at the SwapFest Site.

North Carolina

REPORTED BY
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FUQUAY-VARINA, NC 27526
WA4KE@SERA.ORG

The Albemarle Amateur Radio Society (TAARS) member Dave N1DP gave a report on new antenna installation at Pasquotank County 911 headquarters. A UHF yagi was installed and works well with ATV. Ron N4WYR gave a report on his antenna installation – he is making progress and has plans in the work for improvements. Cynthia talked about a planned CERT (community emergency response team) training program. This is a FEMA sponsored program. It involves about 14 hours of training. Cham K2IUN gave a brief report on an antenna purchased for Snug Harbor Community Center.

Greg N4QLD and Dave N1DP recently reinstalled the KB4TOH ATV Repeater tower camera after some bench work by Mike KB4TOH. The camera had some loose connections, but is now back in service feeding into the ATV repeater. In addition, two Yagis were added to the transmit and receive antennas for the 146.835 VHF repeater. The initial installation lead to a vast improvement in the area intended, north of the tower into Gates, Perquimans and other northeast Counties. After some tweaking of the transmit dipole array, a bad null into the Windsor area was eliminated but the signal to the north may be weaker (the receive setup has not been changed since the initial yagi installation). Continued signal reports are encouraged from all headings – especially during poor band conditions as they continue to find the best positions for either the dipole or the yagi.

The **Brightleaf ARS** in Greenville assisted with the Special Olympics of North Carolina (SONC) basketball tournament on March 19-21. Local hams supported this exciting event during the games on Saturday and Sunday. Event organizers asked ham radio to provide primary communications for the competitions. A Games Management Team Meeting was held January 15th at Boyd Lee Park. Doug Ferris K4ROK, Dave Pulver KG4CZW, Byron Highland, K4BMH and Mike Langley KD4MTT represented Pitt County ARES and BARC. There were 10 venues in and around Greenville.

Carolina DX Association had Carl Smith N4AA provide a forum to maintain interest in amateur radio for the downside of the solar cycle. Carl introduced Lynn Lamb W4NL who encouraged all to take up the challenge of QRP operation. Lynn defined his version of QRP as being 10 watts or less. While Lynn has "done it all" without using QRP, he reported that in the past four years, he has enjoyed the challenge of working 314 countries with his Elecraft K2 and over 200 countries on all HF bands with the same radio. To tweak interest even more, Carl called on Jack Jackson N4JJ from the audience to show his tiny radio – smaller than an Altoid's tin – rated at 280 mW with which he has worked 33 states and 14 countries.

RJ Editor Gary Pearce KN4AQ made an excellent presentation to **Cary ARC** (and the general public) in place of the normal meeting for January. Several area hams had spent that very day getting an

8th Annual

Catawba Valley Hamfest and Computer Fair

Burke County Fair Grounds
Morganton,
North Carolina
Saturday
April 16th, 2005

Thanks once again for making our 2004 hamfest a success!
A Great location, some Great Dealers, and Great Hams have made us grow every year. We hope to see YOU and your friends in 2005!

Congratulations goes out to Grand Prize Winner Tom Miller (WB8ICT). He made the trip in from Saint Albans, West Virginia to win the Yaesu FT-920.

Visit us at: http://www.cvhamfest.com

up-close-and-personal chance to hear the RFI at one of the Progress Energy's BPL test sites. Progress Energy employees met with these guys and observed the interference issue first hand. The February SERA *Repeater Journal* has a great article by Gary that summarizes what they found. There's a shorter summary on the ARRL website at: **www.remote.arrl.org/news/features/2004/01/20/1/?nc=1**.

Mecklenburg ARS had David Masters and Tim Slay N4IB of Duke Power discuss Duke's plans for BPL. The club will be loaning an HF rig for use during each of the test days in order to gauge "real life" RFI to the amateur radio community in the area. The club would like to recommend that hams with mobile rigs near Charlotte listen for interference from BPL.

The **New Bern ARC** is assisting with the communications in the Coastal Women's Shelter 5K Walk/Run scheduled for May 15and the club will be assisting with the Neuse River Day that will be held on Saturday, June 12.

The **Raleigh ARS** will be assisted with the 2004 MS Walk and Pooch Parade on April 17. and held RARSfest, the Raleigh Hamfest, on April 4. Also, RARS is 35 years old this year.

The **Azelea Coast ARC AC4RC** in Wilmington once again operated for about 30 hours at the Coast Guard Station at Oak Island the weekend of April 17th and 18th. Since 9/11 the club has provided the CG with a list of the operators who will be at the station.

EC's and other ARES officials from across North Carolina met at the State EOC in Raleigh on April 3rd.

Jonnie Hutchenson W4AW, the Emergency Coordinator of **Alexander Co. ARES/ RACES**, had three members group appear on the "What Do You Think?" radio program with host Norris Keever. Jonnie, Assistant EC Clay Cox W1COX and PIO Marcus Benfield KG4TKN discussed amateur radio topics and answerd questions concerning the role amateur radio operators play in providing emergency communications and public service communications.

A statewide **NC ARES** meeting was held on April 3, 2004 at the State EOC in Raleigh. ARES officials from across the state attended.

The **Guilford Amateur Society** had a program by Jennie Hege, who is with the American Red Cross and chair-person of the Citizen Emergency Response Team (CERT) in Guilford County. She said that amateur radio will play a key component in this program through ARES.

The **Forsyth ARC W4NC** sponsored the NC QSO party again this year and the results are still coming in. Logs and summary sheets were due April 1 to NC QSO PARTY c/o Henry Heidtmann, 934 Franklin Street, Winston-Salem, NC 27101. Results will be posted at the W4NC website by June 1st.

The **Onslow Amateur Radio Club** would like to announce a new online feature called OARC Talk. OARC Talk is an on line forum dedicated to promote Amateur Radio and ARES in Onslow and surrounding counties. Check out OARC Talk by going to the Onslow Amateur Radio Club's web site at **www.qsl.net/wd4fvo**,

The Raleigh Amateur Radio Society says:
Thanks for a great RARS*Fest* 2004!
Mark your calendar for April 10th, 2005.
RARSFest '05 just wouldn't be the same without YOU!

RARSFest
Hamfest & Electronic Flea Market
Sunday, April 10th, 2005
8:00 am to 4:00 pm

www.rars.org/hamfest

SERA MEMBER
SPECIAL SERVICE CLUB
ARRL
RALEIGH AMATEUR RADIO SOCIETY RARS WORLDWIDE FRIENDSHIP

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- VE Exams
- Special Interest Forums
- Homebrew & Operating Contests
- 100,000 Sq. Ft. Indoor Fleamarket
- QSL Checking
- Hamfest Prizes
- Dealer Space
- Free Parking
- NC State Fairgrounds, Raleigh, NC

or go direct to OARC Talk by going to **www.websmarthosting.com/OARCTalk**.

The **North Carolina Special Events Group** sponsored a special event station at the Wright Brothers Re-Enactment at Kitty Hawk last December. Check out the website, www.ncseg.org for a fascinating story.

The **East Carolina University** newspaper did a special interest article on Bill Dawson WA4SLC. Bill is an electronic technician for ECU, and volunteers for duty at the Kinston Emergency Communications Center, when needed.

Comments on the FCC Broadband over Power Line (BPL) Notice of Proposed Rule Making (NPRM), ET Docket 04-37, were due by May 3, unless the FCC granted the ARRL's request for an extension after press time. The deadline for reply comments – comments on comments filed by others – is Tuesday, June 1. The ARRL will comment by the deadline on the FCC's proposals to amend its Part 15 rules to adopt new requirements and measurement guidelines for so-called "Access BPL" systems that provide broadband access via electric utility power lines. When writing comments for the BPL NPRM, please remember to write your remarks in a professional manner, and USE SPELL CHECK. It would help our cause if the comments are factually based as opposed to opinion driven and grammatically correct. We do not need to portray the amateur radio community as a "shooting from the hip", uneducated bunch of rubes. Read news and technical articles representing the electrical utilities' positions to allow yourself to offer a counterpoints when asked.

Send all news, reports, or club events to WA4KE@SERA.ORG, and keep John Covington W4CC updated on your club's status (w4cc@arrl.org).

"If you don't know where you are going in life, then you are probably already there."
- Ardie N4OIC

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Young Wilmington ham wins science fair with homebrew antennas

For the third year in a row, 8th grade student Grant Morine KG4OCD, from Wilmington, NC, won or placed at science fairs using amateur radio antennas as his project. At press time, Grant was on his way to the North Carolina State Science Fair to compete in the middle school Technology division.

Grant, son of Bill Morine N2COP, earned his Tech license in 2001 at age 11 along with his one year older brother, Reid KG4OCE. "Judges find amateur radio projects interesting because they're different from most other typical science fair projects," observes Grant, who adds to the aura of his exhibit by wearing his bright, salmon colored Azalea Coast Amateur Radio Club members' polo shirt.

This year's project was to see if resonant antennas could be built from scrap recyclable materials. Grant used a wire coat hanger and a large steel can to build a 2 meter antenna, and a made a 70 cm antenna from a Diet Coke with Lime aluminum soda can and coat hanger wire. The 2 meter antenna acts like a 1/4 wave and the 440 antenna is a 1/2 wave.

"The Diet Coke with Lime permits the SWR to get 0.2 lower than a regular Coke can," quips Grant, who has a dry sense of humor. In 7th grade, Grant demonstrated the relationship between frequency and wavelength, and in 6th grade he showed the concept of gain between a copper cactus J-pole and a dipole antenna. "I encourage young hams to try amateur radio projects for science fair," says Grant. ■

SOUTH CAROLINA

REPORTED BY
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Hello South Carolina,

The weather is warming up here in South Carolina and as I write this, we are getting ready for the annual **Union Hamfest** to be held this Saturday April 3rd. The high temperature this Saturday is supposed to be around 70 degrees.

The dates for the **SERA Summer Board Meeting** in Tennessee have been selected. They are June 12-13. I look forward to seeing everybody there.

The Anderson Radio Club welcomes new member Sam Grey KG4WRM. The ARC is in the process of updating their club bylaws. The committee consists of Jimmy WD4BUH, Tom KG4WRQ, Steve N4SZ, and Les K4NK. The **Anderson Hamfest** will be held May 22nd at Sadler's Creek. For the first time this year, they will charge a $2 entrance fee. This fee is mandated by State Law and is for the Park.

The ARC holds a net each night at 8:30 PM on 146.790. They have 800-900 check-ins per month.

Congratulations to my friend **Les Shattuck K4NK**. Les received the **Roanoke Division Service Award**. This Award is given in memory of Vic Clark to honor Roanoke Division amateurs who have devoted their time and effort over many years to the improvement of Amateur Radio and the ARRL. We are very fortunate to have someone like Les representing us in the Roanoke Division. He is a dedicated and hard working ham.

The Blue Ridge Amateur Radio Society welcomes new members Bobby Jones WB4GGU, George Dickert WB4YUO, Mike Pressley KF4ZCC, Matt Hinshaw KI4DOQ, and Joy Dickert KI4DWN. The BRARS held their annual Upstate Hamfest at the Spartanburg Fairgrounds on May 1, 2004. A great time was had by all that attended. I appreciate the hospitality extended to the SERA. They provided us with a table right in the middle of the building.

The BRARS hold a net each night at 8:00 PM on the 146.61 repeater. They have 1900-2000 check-ins per month. WOW! The BRARS will have Field Day at Gower Park. It was good to see John and Sue Chism ND4N and N4ENX at the Charlotte Hamfest. Sue has been sick, but is getting better now. I wish you a speedy recovery Sue!

The **Greenville WCARS VE team** gives exams the first Saturday of each month at the Red Cross Building on Grove Road. The contacts are John Chism ND4N or Sue Chism N4ENX:

n4enx@mindspring.com.

The Charleston Amateur Radio Society announces the passing of Earl Johnson W0QLB. My sympathy goes out to Mr. Johnson's family and to his club family.

Also in CARS, Ed Frank KC4ED has been busy with classes for new hams. I read in one of their newsletters that they had 40 names on a list that had signed up at the Costal Carolina Fair that were interested in obtaining a ham license. Ed stays busy teaching them. Keep up the good work, Ed. VE Testing is held the third Saturday each month at Trident Technical College, Building 400, Room 104 at 9 AM. Cost is $12. The CARS welcomes new member Michael Rossi KG4BRY.

Congratulations to **Charlie Hall K4AOT**, Charleston County ARES Emergency Coordinator. During a recent trip to South Carolina, President George W. Bush took a few minutes to express his appreciation to Charlie for all he has done for Amateur Radio and for his community. Way to go Charlie!

The Chester Amateur Radio Emergency Services Club members Danny Carns KI4DC and Joel Shockley K4TDG have been working to help local Boy Scouts obtain their Ham Radio Merit Badges. Plans are being made for the annual "Tailgate Party" at Chester State Park on June 19th. This event started about four years ago and continues to grow. I look forward to having a SERA table again this year. I hear that some of the Union members are planning on cooking hotdogs.

The Columbia Amateur Radio Club announces the death of Gary Simmons WV4GS. Gary was active each year with the Girl Scout JOTA. I extend my sympathy to his family and to the CARC.

Severe Weather was the topic for the club's February meeting. Steve Naglic K9NWS was the speaker. He showed videos of severe storms and damage. Mike Winkler KI4CRS spoke at the March meeting on antennas, baluns, and feed lines. Bill Battery N4BGX had bypass surgery and I hope he is feeling better.

The CARC is in the process of ordering Reecom weather alert radios. Reecom has agreed to sell these radios at a reduced cost to members under the South Carolina AREA plan. The price is $36 for the R-1630 and $42 for the R-1650. The contact person is Michael Cerkez KI4BXM, email **darep1058@hotmail.com**.

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I noticed in a recent CARC newsletter that mention was made of **Palmetto Amateur Radio Club**. I would like for someone from that club to contact me with news from your club. I would like to include you in the SERA South Carolina News. I was unaware of the existence of this club.

The Florence Amateur Radio Club welcomes new members Jason Wright KI4CFQ, David Milligan N4URR, and Ralph Thomas KI4AOQ. The FARC helped with the Sandblast Auto Rally on Saturday February 7th. Personnel from the National Weather Service in Wilmington NC held an Advanced Skywarn class on February 26th. The FARC has a nice website. It can be found at *www.w4ulh.org.*

The Keowee-Toxaway Amateur Radio Club has two new members, Michael Childs KI4DGX and Larry Sheriff N4PSN.

The KTARC announces the death on one of its members. Mike Smith WM4JS passed away January 19 after a month long illness. I extend my sympathy to his wife Glenda and other family members.

Congratulations to Heather Gray KG4YTO and Sam Gray KG4WRM on the birth of son, Elliott Luke Gray, on January 23. Lew Fitch W4VRV gave a program on radio direction finding at the February meeting of the KTARC.

The Grand Strand Amateur Radio Club has a new On-Line Auction. Go to **www.w4gs.org,** click "Swap Meet On-Line," then click "New On-Line Auction" and follow the directions on the auction page. You can list your starting price and go from there. Remember, "One mans junk is another man's treasure" Hello Jim Wood!

The Laurens Amateur Radio Society had Brian Sudgen KR4SP from Anderson, SC speak at the February meeting. Brian travels around the State and visits different clubs bringing information about the ARRL. The LARS is trying to become an ARRL affiliated club. To accomplish this, 51% of the club members must be a member of the ARRL. Bob Skut W8PC had the program for the March meeting. He spoke on Genealogy. A licensed Amateur for years, Bob chose this topic to help club members see just one of the many uses of the modern home computer

Pickens County has a group of amateur radio operators that are members of Pickens County Emergency Management. They are called the **Pickens County Communications Group**. They meet the 2nd Tuesday night of each month at the Pickens County EOC at 7:30 pm. I was contacted by Mandell Rigdon WB4QHF and asked to include news about this group. I hope to hear more in the months to come.

The Salkehatchie Amateur Radio Society has had three successful meetings after restructuring their club. They have been meeting in club member's homes. The meeting that was sponsored by Ray WA4OMM and Kathleen KB4HWC Thomas (the folks who own Rosewood) was a resounding success the best meeting yet. (Ray, it was good to see you and Kathleen at the Charlotte hamfest.) John Angil of the Barnwell EOC has offered the SARS a meeting room and space on their new 70-foot tower. Let me know if I can assist you with coordination. The SARS holds a net each night on the 147.03 Barnwell repeater.

The Spartanburg Amateur Radio Club is making plans to help with the annual *Assault on Mt. Mitchell Bicycle Marathon* on May 22. The SARC has been providing communications for this event for several years. The A-Team has been busy. A tower job for Jim Quick N4ULE was completed without a hitch. Bill Baird K4II was having trouble with his 160-meter antenna and guess who climbed the tower? "My Friend Fritz" W4NTO climbed while the ground crew consisting of Art KE4EAN, Harold WA4GIB,

ARRL Roanoke Division Vice Director Les Shattuck K4NK (l), with SERA President and SC Director Roger Gregory W4RWG. Less received the ***Roanoke Division Service Award.*** *Congratulations!*

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Dave KN8Y, and Randy KC4IQO handled the ropes. They also took down Lester Sr.'s tower with Fritz again on the tower. I heard Harold Kindley WA4GIB had a severe allergic reaction to medication to treat a dog bite. I am glad to hear that you are better Harold. My friend Bill Hembree W4DBH is home from the hospital. Bill and Net are special friends. Hurry back – I miss you on the radio, Bill. Charlie Miller gave a presentation at the January meeting on RACES. Charlie is doing a good job and really getting around the state to clubs.

The Sumter Amateur Radio Association welcomes returning members Dave Jones K4DLJ and Ted Kreipe KB4FIQ. The SARA offers VE Testing the 2nd Saturday of odd-numbered months. Pre-registration is required. Contact Carl Ecabert AA1MD at 803-469-0113 for more information. The SARA holds an Emergency practice net every Sunday night at 8:30 pm on the 147.015 repeater. The net features check-ins from the area, announcements of club events, Newsline, and rag chew.

The Union County Amateur Radio Club WCARS VE Team holds exam sessions the 2nd Thursday in January, March, May, July, September, and November at 7:00 PM in the Union County 911 Center training room on North Pinckney Street in Union. Contact Jim WJ4C for information, **wj4c@charter.net**.

The York County Radio Society nets will be booming loud and proud now that the K4YTZ repeater is back up and going strong. The repeater has been down for many months. Thanks to Marc Tarplee N4UFP, Brad Humphries AE4VJ, Kevin Parrish KG4CDD, Russ Harpster KG4EAP, and Pete Krenn KC4ZJ for a job well done. After some additional fine-tuning, "Leroy" (as the members have named the repeater) came in "loud and proud."

The YCARS announces the death of Hubert Duncan KG4NOI on February 4th. Although Mr. Hubert was 90, he was an active member of the YCARC. I extend my sympathy to his son James KG4MMI and his family.

The annual Barbeque Fundraiser was held March 20th at Auto Zone in Rock Hill. Members joined together for a day of selling barbeque, operating radios, and a whole lot of fun. On April 4th, YCARC members provided the communication for the Rock Hill Bicycle Club's annual *Come See Me* bike race held in Brattonsville. This is also an annual event for the members of YCARS.

Congratulations to Van KG4LUT and Leslie Brown KG4NOG on the birth of their third grandson, Jordan Dwayne Anderson, born March 22.

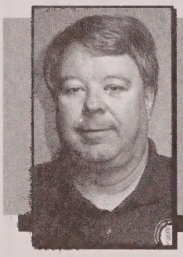
NEWLY COORDINATED OR PROPOSED REPEATERS IN SOUTH CAROLINA

AB4OE	53.030	Blacksburg	On the air
W4DTW	147.225	Santee	Proposed
K4ILT	444.825	Holly Hill	Proposed
KG4FAN	147.105	Cassatt	Proposed
W1GRE	146.985	Summerville	Proposed
K4SHP	146.665	Myrtle Beach	Proposed

Attention South Carolina Repeater Owners. Are you a SERA Full Member? I would like for you to consider joining the SouthEastern Repeater Association. The cost is only $20 per year. Send your full membership dues in today. Lets make South Carolina 100%. SERA needs your support and with full membership not only will you support the SouthEastern Repeater Association, you and your designee will receive the *Repeater Journal* for as long as you are a full member. What a deal!

Would you like to see news from your club in the journal? It's easy! Tell your club Secretary to make sure I am on their newsletter mailing list - paper or pdf.

73, Roger Gregory W4RWG
President, SC Director



TENNESSEE

REPORTED BY
BOB GAULT KD4NEC
221 CEDARWOOD TRAIL
CLEVELAND, TN 37312
KD4NEC@SERA.ORG

Greetings from Tennessee!

For months, rumors have filtered through hamfests and clubs raising questions about the future of a wide coverage repeater, the **Petros 147.255 machine.** The persistent talk centered around whether it would be forced to move from its current site on one of the highest peaks of the Cumberland Plateau.

Joel Hall KJ4SI, who operates the repeater, has good news! Once some work at the repeater site is completed, he will return the repeater antenna to its former spot on the tower. The tower is owned by the state Department of Conservation, and they are now in the process of redoing the tower. In the interim, the 255's antenna has been lowered and that has likely resulted in some signal loss.

Many amateurs in Tennessee, Kentucky and Georgia use the 255. With the elevation of the antenna, HT coverage is possible from up to 50 miles away. That makes it one of the Volunteer State's most popular machines. As word spread several months ago questioning whether it would retain its current coverage, several thousand Tennessee and Kentucky amateurs sent e-mails to the State of Tennessee supporting the repeater. That must have convinced them the repeater needs to stay!

In addition, the 255 and the **KE4ZJT repeater in London Kentucky** are now linked full-time. Jack Luker KE4ZJT owns the 147.180 MHz machine, another wide coverage repeater. Together, the two boast coverage stretching from north Georgia to Lexington, Kentucky. Hall said the two have quite a bit of activity. Luker also operates a six-meter repeater. The KJ4SI and KE4ZJT repeaters are part of the backbone for the Linked Repeater Net, which is heard on Wednesday nights beginning

WD4KWM, former SERA TN Coordinator, SK

Tom Delker K1KY

Tom Park WD4KWP, died March 10 at Baptist Hospital in Gallatin. Complications from a heart operation procedure resulted in cardiac arrest, from which revival was not achieved. Burial was at the Crestview Memorial Park.

Tom was a good friend and somewhat "silent" partner and supporter in the W4CAT operation at Music Mountain, Gallatin, TN. He was a TN frequency coordinator for SERA in the 1980's.

We shall sorely miss him. He is survived by his wife and two children, Will and Kayla.

The Gallatin *News Examiner* reported that Tom "was a member of the Society of Broadcast Engineers #4276, and amateur radio operator WD4KWP. He was active in the Red Cross and Metro Civil Defense Communications, and Advancement Chairman of Boy Scout Troop 407.

at 9 pm eastern time. If you've never checked in, it's an experience hearing stations from Florida to Kentucky, all using the VHF bands. On average, 100-120 check-ins are received weekly.

On the subject of rumors, let me comment on another one that has been circulating in Tennessee. Here again, it can be attributed to a misunderstanding. Some amateurs seeking renewal of their **call sign emergency license plates** were told there would be an additional charge in the future. It appears the folks in at least one county were given the mistaken impression that amateur license tags would become vanity plates, for which the state assess an extra charge. I've checked with my county clerk and was assured no changes are forthcoming. I also understand that personnel in that county have corrected the information so they won't be charging amateurs for vanity plates.

Under the FCC's vanity call system, what would you consider to be a bit extreme for changing your call sign? Two, three, four changes? Just a few months ago, **one Tennessee amateur was warned by the government** the call sign changes he had requested border on abuse of the licensing system.

A letter was sent to Donald H. Binkley in Nashville, who at the time was K4WX. The letter was in response to his request to change his call to N4ZZ. The FCC's letter said Binkley was initially licensed as K4WX in September 1998. Less than two years later, in June 2000, he asked for a change to N4ZZ under the vanity call system. The application was approved on July 7, 2000, the letter states. There was one other change: Binkley asked he be given his original call sign, K4WX.

These applications raise questions about apparent abuse of the licensing system, the FCC says. The letter, dated February 8, gives 20 days to file a response "and to also inform us to which call sign you want." The database shows his last request to N4ZZ was approved in March.

While I was completing this article, I ran across two other situations. One involved a licensee in Emmitsburg, Maryland, who had submitted 12 call sign requests between November, 1999 and May, 2003. He too, received a letter warning of possible abuse of the vanity call sign system. A California amateur with six requests has also been warned.

Middle TN Ham Breakfest - 2nd Saturday each month

You're invited to a "Ham" Breakfast at the Tennessean Truckstop on the 2nd Saturday of every month at 9 AM.

We're hoping to bring together hams from the surrounding counties, and the Middle Tennessee area, once a month!

Meet those that you've talked to, but have never met. Plan now to attend – tell all your friends!

For more info, call Kenny AI4DV at 931-424-9523 or e-mail kenbreed@surfmore.net.

The **Mid-South Amateur Radio Association's** 2004 officers are:

President	Tony Brignole WA4KHN
VP	Tom Wilson K4ZFV
Treasurer	John Parish KD4EUZ
Secretary	Dick Barnes KA4HXB

In **Wilson County**, officers of the ARC are:

President	Landon Roeder KC5ACP
VP	Jack Huskin K4HVA
Secretary	Julie Harris KG4SCU
Treasurer	Greg Tomerlin K4KO

Till next time, 73's from Tennessee.....

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704 253-1192
NormanHarrill@worldnet.att.net

Ray Adams, W4CPA
6702 Matterhorn Ct. - Knoxville, TN 37918
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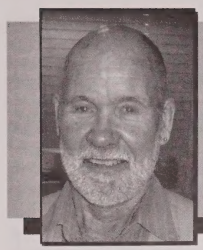

VIRGINIA

REPORTED BY
FRED WEAVER KG4BKI
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757-242-9066
KG4BKI@SERA.ORG

SOUS INKED IN CENTRAL VA AND ROANOKE VALLEY

CENTRAL VIRGINIA

Just before deadline it was announced that the **Central Virginia Hospital Council** and **Virginia RACES Inc.** finalized an addendum to the Medical College of Virginia (MCV) SOU that was previously announced in this column. Steve Cuccio NB3O (VARACES SERO) and Tony Amato KR4UQ (Hospital Programs Administrator) will sign for their organization; each Hospital Administrator in Central Virginia will sign the SOU for their respective institutions.

The hospitals involved are:

- CJM Medical Center
- Community Memorial Hospital (South Hill)
- Henrico Doctor's Hospital-Forest
- Henrico Doctor's Hospital-Parham
- Halifax Regional Hospital
- John Randolph Medical Center
- Johnston-Willis Hospital
- Medical College of Virginia Hospitals
- McGuire Veterans Administration Hospital
- Memorial Regional Medical Center
- Richmond Community Hospital
- Retreat Hospital
- Southside Community Hospital (Farmville)
- Saint Mary's Hospital
- Southside Regional Medical Center (Petersburg)
- Southern Virginia Regional Medical Center (Emporia)

Using an initial allocation of $74,000 of the total $125,000 budget, approved by the council on February 27, the sixteen hospitals will begin to be equipped with an Amateur Radio system linking all sixteen hospitals within the Council's operating area.

The system that will be developed with these funds features:

- Two dual band radios, antennas, feedline, lightning protection and a UPS for each radio at all the hospitals
- Two hospitals will have more elaborate stations to serve as control stations in the event the 'cornerstone' station at MCV is disabled.
- There will be two intermediate relay stations to serve the more distant hospitals (Emporia, South Hill, and Farmville). The relay stations will have LPG powered generators for backup power.
- Some hospitals will have Amateur Radio equipment in their emergency rooms.
- The control point stations will have IRLP connections.

The Central Virginia system will be capable of interoperability with Charlottesville and with the Roanoke Valley Hospital System now under construction. (More to follow on Roanoke).

VARACES will establish and train teams of operators dedicated to the support of each hospital. These teams will report directly to the assigned hospital when a "Hospital Emergency" is declared. The first hospital teams began orientation and training at the VARACES training session in Charlottesville on April 3.

Later this year the Central Virginia Hospital Council will participate in a major exercise to test their ability to respond to a mass casualty incident. The exercise is being conducted under the authority of the Department of Defense's U.S. Northern

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Command (NORTHCOM). In summary, NORTHCOM is responsible for:

- Homeland Defense
- Heads N.A. Aerospace Command (NORAD)
- Command of U.S. forces that operate in support of civil authorities

The focus of the upcoming exercise, under the authority of NORTHCOM, in which the hospitals will participate, is Homeland Defense and Incident Management under the National Response Plan.

[Note: I have more detailed information on NORTHCOM, the chain of command down to the hospitals and the exercise. Readers may be assured that everyone involved is as serious as a Weapon of Mass Destruction about preparing to respond to a mass casualty incident.]

THE ROANOKE VALLEY HOSPITAL SYSTEM

Mike Knight K4IJ has informed me that a budget of $25,000 has been approved for the installation of Amateur equipment in between 10 and 12 hospitals in the Roanoke, VA area. This system will feature:

- A dual band radio and a 'mobile unit', antennas, lightning protection and power supplies at each hospital
- Two commercial grade repeaters with backup generators
- A dedicated digi-peater for packet
- Echolink and IRLP connections

When completed the system will have 5-6 linked repeaters. This system will rely on each hospitals' emergency power for backup.

THANKS

Leaders of VARACES thank the following for a nearly 2½ year effort; Jim Clark N4GAU, Bruce MacAlister W4BRU, Luke Bannister AD4MG, A.C. Frame W4HC, Robert Vest KA4CBB, Joe Landers KA4EUE, Joe Wagner KO4RK, T.J. Johnston N4UYK, Vic Culver W4VIC, and Tony Amato KR4UQ.

The Roanoke team included; Brian Squibb W4PAJ, Jason Rausch KE4NYV, Dan Edwards AG4YU, Seth Price N3MRA, Mike Howery KX4VT, Dave Atwood KC4WCH, and Mike Knight K4IJ.

ISABEL REVISITED

On March 2, the **Hampton Roads Planning District Commission (HRPDC)** hosted a training session and review of AR activities during Hurricane Isabel at their facility in Chesapeake. The HRPDC is working with three clubs in the Hampton Roads area; **Chesapeake Amateur Radio Service, Portsmouth Amateur Radio Club, and Virginia Beach Amateur Radio Club** on training and preparedness. The Commission supports AR by encouraging training of hams and makes their facility available for classes.

Gary Schuchardt N0EZH, speaking for the Commission, described the function of the agency in general and emphasized the importance of more hams, better preparedness and the need for training and exercises.

Presentations were also made by; ARRL SM Carl Clements W4CAC, Chesapeake EC Leo Kusauda KG4PWC, Virginia Beach EC Al Crawford WA4TCJ, and Portsmouth EC Dave Livingston K5SFM. I can only describe a few of the key points from the session.

1. Volunteers were in short supply. While the initial activation had all the key stations covered, additional shelter openings and shift changes were difficult to cover.
2. Dave K5SFM did a good job covering the 'Ready Kit', the need for it, and what to have in the kit for various expected deployment periods.
3. The growing importance of digital modes, particularly packet because of their ability to document the reception of messages.
4. Know what to do when the repeater goes down.
5. Knowledge of net control procedures and formal traffic protocol.
6. The need for personal/family preparedness.
7. The value of training and participation in drills and exercises.

Overall a good session. However, much of what was presented in the session was 'preaching to the choir' as most of the hams in attendance had operated during Isabel. (see my sidebar)

FROSTFEST 2004

In these parts, the **Richmond FrostFest** marks the beginning of the ham year. Having lost their traditional January date, the 'fest was February 22nd this year. I spent most of my time in the forums.

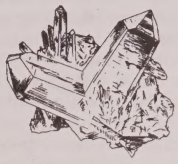
The **MARS** forum had about 50 in attendance and was the best attended of the three forums. Operators were challenged to remain "Professional, Proud and Ready."

There was discussion about published reports that MARS was no longer required and should be disbanded. I believe the consensus was, since MARS was an all-volunteer organization with no budget from any of the supported armed services, what would be the point of eliminating it?

MARS operators were encouraged to remain frequency agile and to operate with other MARS services than their own.

Alan L. Heil Jr., author of *Voice of America,* was the keynote speaker. His book details the history of VoA from the first broadcast in February 1942. "The news may be good, or the news may be bad, but we will tell you the truth."

VoA now broadcasts 1000 hours per



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July 2-4.....Waynesboro, VA
William Perry Elem. School

July 16-18.....Boone, NC
National Guard Armory

Aug. 6-8.....Dalton, GA
NW GA Trade & Conv Center

Sept. 17-19.....Asheville, NC
National Guard Armory

Oct. 1-3.....Indianapolis, IN
Indiana State Fairgrounds

Oct. 8-10. Dayton/Xenia, OH
Greene County Fairgrounds

Oct. 22-24 Harrisonburg, VA
Rockingham County Fairgrounds

Nov 12-14 Charlottesville, VA
National Guard Armory

www.toteshows.com

week and has ¼ billion listeners. Mr, Heil played a number of interesting and historical excerpts from VoA broadcasts. He pointed out that ½ the people in the world have never made a telephone call. This emphasized the importance of the wind-up (clock-work powered) SW receiver that he demonstrated. A most interesting presentation for all Short Wave Listeners!

The **ARRL forum** was a combination Division/Section affair. Roanoke Division Director Dennis Bodson W4PWF used most of his time to explain the league's proposal to the FCC for license re-structuring. Dennis described the background for the proposal and the process that the league's directors went through in coming to the proposal that was submitted. There were a number of comments and questions about BPL.

Section Manager Carl Clements W4CAC has been declared the SM for 2 more years, as no petitions were filed by a challenger. He announced that the Virginia Section has a new web site: **www.arrlva.us**. Carl called for a greater level of volunteerism among members.

Section Emergency Coordinator Tom Gregory N4NM alerted members that many localities were updating their Emergency Action Plans and that they should get involved in that. Tom also requested that members come forward to volunteer as EC and as operators.

Brian Bayus N1KC described the role of the Official Observer (OO) and called for more volunteers to become involved in this role.

Randy Sly K4SLY, Section PIO indicated that he was working on the development of a Speakers Bureau and asked members to forward suggestions and to make themselves available as presenters.

SERA was represented at the 'fest by Jim K4YM, Jay N4YMY, and Gary KN4AQ. A near record number of membership years were sold in Richmond. It was great to meet SERA officials and members from the great state of North Carolina!

Overall the 2004 version of the Frostfest looked pretty good. Maybe not as good as some past years, but better than last year. Some of the larger dealers were MIA, but there were few empty booths. Wilmington NC's Communications Headquarters did come, since the date did not conflict with the Orlando hamfest this year. The place was really animated – lots of people talking really loud. I was in the forums, so did not buy one thing. See you there next year.

I received a nice email from Ron Richey K4RKA of the **Albemarle Amateur Radio Association** (AARA, Charlottesville). He described their very active club (100 members), three weekly nets (including the Youth Net), support for four repeaters, a monthly newsletter, a packet node and BBS. Wow!

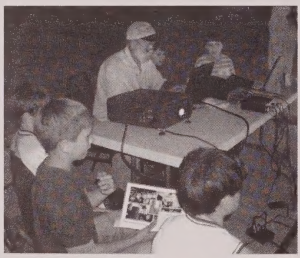
The club's newsletter, *The AARC Beacon* can be downloaded from:

www.qsl.net/kf4utd.

The presentation by the **Western Tidewater Radio Association** (WTRA) for the 4H Aerospace Camp at Wakefield on March 27 went very well, thanks! The club's program went like this:

- Introduction to Amateur Radio
- Amateur Radio Satellite Communications
- CW
- Phonetics
- FM Phone
- HF Phone
- HF PSK31

The kids (ages 9-12) were great! The club made sure to make good contact with the *leaders* for follow-up. I noted that simple things like CW and phonetics are just as interesting to the kids as digital HF. *Activity* is the key for this age group.



World renowned PSK31 operator KG4BKI pounds laptop keys for attentive youth at W4H special event station, March 27

John N4NKN and XYL Sharon demonstrate HF phone operation

What's Old is New — Bruce KE4GFM gives demonstration of CW

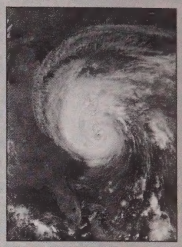
The **Virginia Beach Hamfest** survives! September 18-19, 2004. Check out: **www.vahamfest.com**. Let's hope they do not attract any more hurricanes!

Finally, the picture of Bill Sammler of NWS Wakefield in my column in the February issue of the *RJ* should have been credited to **Stu Tyler WA4JUO**.

73, bki>

bki - on the side:

Isabel response lacked volunteers



Virginia hams came up short! By one estimate – 150 volunteers short. I have attended several post-Isabel debriefings and have heard a common comment: "Where were all the volunteers when we needed them?" Some shelters in Virginia *never received* the Amateur Radio Communications requested by the local EM.

I have received a number of emails that report shortcomings at a variety of key stations. Not all the reports were corroborated so they are not detailed here. Enough is known to say that Virginia was lucky that a significant communications emergency did not develop.

In my opinion way too many hams pay only the lamest kind of lip service to Amateur Radio's responsibility to provide emergency communications. Also, many hams still believe that they can be useful by relaying messages from the comfort of their home station.

While that may happen, your local EC/ERO's primary need is for trained operators who are willing and able to leave home and go to a shelter or other station. Local Emergency Managers activate Amateur Radio for EOCs and shelters when there is a chance of a communications situation developing. They do not wait for the situation to develop, then go looking for hams. You are providing the requested service when you can maintain an active radio link even if you do not have to pass emergency traffic.

Responding to activation can be inconvenient – sometimes damned inconvenient. You will be better able to respond when activated if your family's preparedness has been attended to – water, food, flashlights, batteries, generator, cars full of gas and &c.

Next activation, where will you be? Are you registered with ARES or VARACES? Do you know your local EC/ERO? Do they know how to contact you? Have you had training? Can you run a vhf packet station?

Lip service, or public service?

bki>

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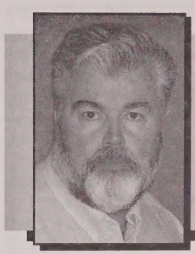

WEST VIRGINIA

REPORTED BY
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GREETINGS FROM WEST VIRGINIA!

There has been an abundance of amateur radio activity in the mountain state since the last issue of the SERA Journal. ***Jim Damron N8TMW*** *supplied the following story and the related images. Thanks to Jim for sharing this feature — perhaps it will inspire others to work for similar goals in their region.*

It's not often to see the governor of a state at a loss for words. "I don't know quite what to say" was the utterance of West Virginia Governor Bob Wise upon learning that the call sign of his late father, **Robert Wise Sr. WA8AYP**, was going to be used by the ham radio station in the new Kanawha County Metro Emergency Operations Center in Charleston, which is to be completed by Spring, 2005.

In a special ceremony in his office at the State Capitol in Charleston on February 17, Governor Wise was preparing to give a state check for $50,000 to Kanawha County officials for the purchase of amateur radio gear to be used in the new 911 center.

However, he was interrupted by a voice calling him on the ham radio set up in his office for the event. The voice was that of control op **Bill Hunter K8BS**, identifying the station as WA8AYP. The surprised governor responded when handed the mike, "This is the son of WA8AYP."

It was then the governor found out that the call sign of his father, who died in 1986, had been secured for the ham station at the new EOC. It was an emotional moment.

"Thank you very much for remembering Dad", he said. "I can't think of anything that would make him happier." He also quipped, "Do I get a QSL card for this?"

To the governor's amazement, officials then unveiled a specially-designed WA8AYP QSL card and passed out copies, which were later signed by the governor for the eager hams in attendance.

As the ceremony proceeded, ARRL WV Section Manager **Hal Turley KC8FS** accepted the $50,000 check on behalf of the Kanawha County Commission. Commission President **Kent Carper W8CHS**, said ham radio operators provide the county with $25,000 to $30,000 a year in free services during disasters, so it's appropriate that the new 911 center be properly equipped with ham radio gear. The money will also be used for amateur radio equipment in a new county Mobile Command Center.

Commissioner Carper helped organize the standing room only event in the Governor's Reception Room. In attendance were an estimated 75 hams, along with police, fire, and EMS personnel, dignitaries, and guests. Among the hams present was the West Virginia Legislature's only ham radio operator, Kanawha County Delegate **Sharon Spencer KC8KVF**, who also serves as ARRL ACC, WV Section.

(Above) Sharon Spencer KC8KVF with WV Governor Bob Wise.

(Below) A small portion of the audience waiting for the ceremony to begin at the West Virginia State Capitol on February 17, 2004.

Governor Wise is a former member of the US House of Representatives and has always been a strong supporter of Amateur Radio. The May 1993 edition of *QST* featured an editorial which outlined then-Congressman Wise's efforts to assure continued ham radio access to 220 MHz in light of business interests wanting the band. The editorial by **David Sumner K1ZZ** stated:

And let us never forget the contribution of Rep. Bob Wise. If we get the band, we ought to christen it with the name by

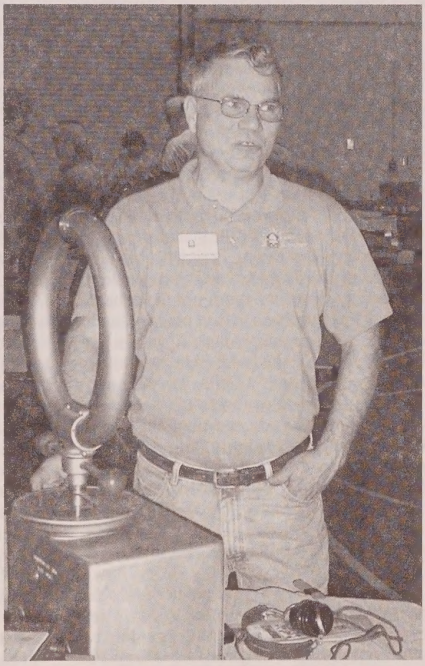
which the idea has been known around here for the past four years: "The Wise Compromise."

The best reason for the governor to applaud our hobby: "I am very partial to amateur radio operators because one put the bread on the table when I was growing up!"

WA8AYP is licensed to the **Kanawha Amateur Radio Emergency Services,** a bona fide ham organization and the trustee is Jeff Clark K8JAC.

1930s Atwater Kent 165 Radio on the left with a 1919 Mignon RW-9 Audion Detector to the right

Our State Capitol was also the site for the 20th anniversary of the **Charleston Area Hamfest & Computer Show.** The event was held again this year at the Air National Guard Armory and brought out a large crowd on what turned out to be a very nice early spring day. Those in attendance were treated to tables of goodies including an exhibit by **The Museum of Radio and Technology** in Huntington. If you have never stopped by the museum you have missed a real treat. I understand it is the largest museum of radios, televisions and electronic equipment in the east and even includes a 1920s radio sales, repair and parts store. Geoffrey Bourne was at the hamfest with several items from the museum which attracted a number of visitors including myself. The Museum maintains a web site with all the information you need for a visit and do bring your ham radio ticket as there is a fully operational ham radio station to boot.



Geoffrey Bourne discusses the features of a vintage direction finding unit at the Charleston WV Hamfest.

WEST VIRGINIA, I NEED TO KNOW...

I appreciate the news and reports that have been sent this past month and hope clubs and other groups will continue to send items for the SERA Journal. **Ralph McDonough K8AN** was one that not only sent me a note but also a copy of the **Triple States Radio Amateur Club's** news bulletin. He has even provided me with a membership in their organization and put me on the mailing list. Thanks Ralph! When you are in the northern panhandle of West Virginia just check into **N8BQ** on the 146.91- repeater and tell them you read it in the SERA Journal.

I have a few more leads for the next issue, but I need to know what your club is doing and about any upcoming events in your part of the mountain state. Are their any new repeaters that are on the air or changes in current systems? This column is about *you* but the only way I will be able to report the news is if you send it to me! Just use the address above to send me a story or images and I will try to have them in the next issue.

Thanks and 73,

Rich Clemens

SERA Repeater Journal
The Official Voice of SERA, Inc.

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Release the Hounds!

Pat Spencer KD4PWL

Whether you call it foxhunting, direction finding, or hide and seek for adults, foxhunting has come back into style in at least two communities in Kentucky. The **Fayette County Fox Hunt** in Lexington, and the **Laurel Amateur Radio Amateur Society Foxhunt** in the London/Corbin area have provided amateurs an opportunity to learn and refine their direction finding skills.

Foxhunting as a recreation activity provides important training for times when it is necessary to track down the source of a signal. Whether it is a downed-aircraft beacon, or an accidental or malicious interference case, it takes a skill and practice to find the source of the signal.

Both groups use a variety of methods and equipment to conduct their activities, but the fact that foxhunting is an enjoyable activity and provides training for valuable skills are emphasized.

FAYETTE COUNTY FOXHUNT

The Fayette County Foxhunt began as a recreational activity back in 2001. At first, the hunts were held at infrequent intervals. Over the past year, hunts have been held almost every week except during times of high terrorism alerts. "The last thing we want to do is to cause public concern with a group of people with multiple antennas chasing around. From time to time, when the fox is going to be in a particularly weird location, we will notify the police department so they know about it," said Ron Ritchie N4MOM, Fayette County ARES Coordinator.

HUNT FOR REAL

The art of finding a signal has not been lost on government agencies in the area. In May, the foxhunting group received a call from Kentucky Emergency Management (KY EM) Communications Branch Manager Bob Stephens WA4CMO to assist with a source of interference to their repeater in Lexington. They, and other agencies had spent many days hunting the intermittent signal. There were multiple signals from multiple sources on the input frequency of the repeater. Eliminating the sources one by one, amateurs searched as their work schedules allowed, and found the strongest signal. The culprit turned out to be part of an alarm system in a University of Kentucky (UK) building. The source was reported to KY EM, and with the help of UK staff the problem was corrected.

In many areas, foxhunting is a competitive activity, and to an extent it is in Fayette County. The prize for winning is the right to be the fox for the next hunt. However, in the real world direction finding would be a teamwork operation. Teamwork is one of the premises of the activity. Margie Williams KE4MAJ, a regular participant commented, "I can see why it is competitive when we do it as a game, but it seems that the teamwork approach falls apart because of the competitiveness sometimes. I know that in a real situation there would not be any competition and everyone would become one team."

Foxhunts in Fayette County are "family affairs" as well. One team, Michael KD4SN and Travis KG4IOR Johnson, hone their skills and have a great time together. Michael comments that he thinks the best part of the activity is, "Doing an activity with my son Travis. We both enjoy it immensely. We get to work together on a project and it gets us out of the house together for a few hours every week." He admits that although there could be false alarms, he sees an application for the training because of the growing trend of the public use of personal locator systems.

Travis enjoys the activity with his dad, and shares his best and worst experiences, "Obviously, the best experience of fox hunting is when you came in first place. It's not even that bad coming in last. It's when you drive around in the cold, rainy, darkness and never find them" that he doesn't enjoy.

Although he enjoys winning, he shares that he understands the purpose of the training aspect of the hunt, "I like the teamwork approach to foxhunting because it's more realistic. If you ever were really trying to help someone you wouldn't want to make it a competition." Both Williams and the Johnson's say they have an interest in a competitive hunt.

Many of the operator's spouses and children participate on a regular basis. They have become invaluable to the operators as observers, drivers, or giving signal reports from various radios within the vehicles. One family team member who is not licensed, Kim Spencer, wife of your humble correspondent, sees the activity as an enjoyable opportunity to take part in "the hobby." She also points out that it is also an opportunity to "build close personal relationships between the hams and their families, and strengthen the teamwork within the organization. It is better than just having friends you only talk to on the radio."

Most of the participants in the Fayette County Foxhunt are emergency service operators, and these relationships and family involvement are keys to emergency activations. Without family support, emergency service is difficult if not impossible.

Information on the Fayette County hunt can be found at **www.qsl.net/fcares/foxhunt.html.**

LAUREL ARS HUNT

The Laurel Amateur Radio Society (LARS) Foxhunt in southern Kentucky has been active for "about two years," according to Peter Rock KJ4ND. Held approximately every four to eight weeks, the participants have a spirit of competition, but the LARS hounds also rely on teamwork and cooperation. Operators use a wide variety of equipment, according to Stanley Baker KD4ERF. "The hounds use a variety of home-brew antennas, from beams to quads to Doppler antenna arrays. Almost everyone has an attenuator of some sort. In fact you will find almost any RDF device that you can name. However, home-brew directional antenna devices are favored at the present." Both Rock and Stanley have "Fox Boxes," so the group can have more than one fox in the field at a time.

Shortly after the LARS group began their foxhunting activities, they had an occasion to put their skills to use. In December of 2001, a "rouge repeater" began interfering with the 147.18 KE4ZJT repeater in London. An article distributed as "How We Tracked The Rogue" written by Rock and Brian Hatfield KG4DIO chronicles the effort. According to the article, "it was apparent that this rogue repeater had it's input and output reversed, so that it's input was going into KE4ZJT'S repeater, and being sent out again to the rogue repeater's input, which then would repeat the cycle." Adding to the trouble, the rouge repeater had the same tone used by the London repeater.

Many of the hams in the area collaborated and compared beam headings on the signal, and the group decided to take their act on the road. Over the course of the next few days, the group traveled throughout the mountains of Southeastern Kentucky. Rock commented that he used "2 half wave dipoles about 0.2 wavelengths apart, fed about 140 degrees out of phase. This results in a very useful pattern with a peak to the front, and 2 sharp nulls perpendicular to this. Also I used an 80 dB attenuator when getting close to the repeater." Others operators used a variety of equipment during the hunt.

The terrain they were searching was difficult. Hatfield stated, "We got a reading there on a good size hill and it was to the northwest, we headed back down 38 back toward Evarts and there was a unmarked road 179 we decided to take and see where it went, and on top of the mountain we got reflections from every direction. These mountains are everywhere and are straight up and most are 4000 feet to almost 5000 feet. As you can tell reflections drove us nuts."

The group's persistence was rewarded in the end, according to Hatfield, "We went to the location where the tower was. It was on the Harlan Cumberland Coal Company's

property. The security guard sent us to the shop, where they were working on Sunday. The rest of the company was closed. They gave us phone numbers of people to call on the following day. We got hold of the FCC and then contacted the Coal Company. They told Jack (Luker KE4ZJT) that they would have their radio people there to check it out in the morning and confiscate any equipment they found. That's the day the interference stopped.

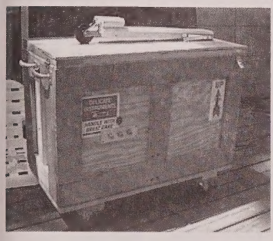
We had only been fox hunting for a few months – our local club, the Laurel Amateur Radio Society, had just started fox hunting activities. We only had a few hunts under our belts, and then along came the ultimate fox hunt. We ended up driving 320 miles that day. It was the work of a lot of good hams and a lot of driving. The hunt took approximately 20 hours with all the trips and approximately 900 miles of driving. And, of course, due to everyone's hard work, victory was ours.

The full text of the article can be found at **www.qsl.net/kyham/docs/other/rouge.pdf**.

The LARS foxhunting group puts forth the effort to document all their foxhunts from the perspective of two or more people on the club web site:

www.laurelamateurradio.org

I would recommend it as a "fun read" to anyone interested in direction finding. It has a lot of good tips, and photos of the hounds and their equipment. ■



Out with the old...

... In with the new!

Beauty after "The BEAST"

Greg Williams, K4HSM

You may recall a few issues ago an article I did about "The Beast" portable power unit (PPU) that we used for field day in 2002 (August 2002's TENNESSEE News column). While it performed its job better than expected, the Beast had a few major drawbacks, among them was that it was bulky, heavy and not as "portable" as we had intended for it to be. Another flaw was that, in order to switch from one battery to the other (it had 2 heavy-duty 50-Amp gel-cell batteries), we had to shut down all our equipment, as the switch was not "seamless", and that momentary drop in power, followed by the battery coming online, could have damaged some equipment had we kept the power on.

When the tornado outbreak occurred in Morgan County back in November of 2002, we intended to use it in support of the emergency communications efforts in the county. However, the large size of the box made it impossible to transport in the standard-sized car that Moe KE4CQW and I were in, already loaded with other supplies to assist in communications.

Moe and Eddie KB9EBA the brains behind the design and construction of the "Beast," already had a 2nd generation PPU design in the planning stages at that point. The lesson from Morgan County accelerated the need to construct a unit that puts the *portable* in "portable power unit".

The backbone of Generation 2 (I call it "Beauty") is in the fact that the whole unit is constructed upon a **hand truck**, or dolly, rather than the crate we used in Generation 1. Moe and I went out to a local hardware store and purchased the hand truck for about $30. When we took it to Eddie's house for the construction, we noticed how poor the welding was. Eddie re-did all the welding points on the dolly to reinforce its durability. Also, 2 thicker metal L-shaped brackets were welded in the middle of the hand truck for support of the power box and switches as well as additional strength.

Once that was complete, work began on the housing for the heaviest objects on Beauty: the batteries. A large plate was welded onto the bottom of the hand truck with folds that encased the batteries used, 2 sealed "gel cell" batteries stored in plastic casings. To keep the batteries in place during transit we simply used bungee cords. Some left-over wood was used to provide support for the batteries inside the casing so that they were not jostling much.

In the Figure 1 image, you can see the two large L-brackets just below the handle and in the middle of the hand truck. This served to provide durability and support for the electrics that were used to support the batteries. The vice grips were used to support the brackets during welding. The battery plate has been welded to the bottom of the hand truck as well.

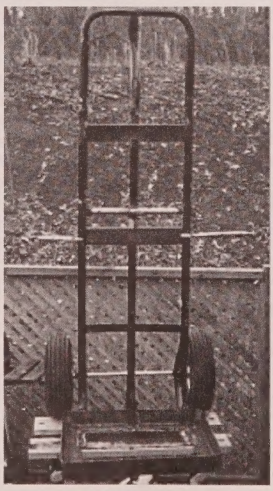


Figure 1 – Early Construction

Towards the top of the hand truck, the box that houses the electrical wiring of "Beauty" was done to make the transition from one battery to the other seamless. One of the disadvantages of the original unit was that switching from one battery to the other was done with a 3-position switch, and the center position was "off" while the other two on either side were for whichever battery we chose. Therefore, in order to keep from damaging the radios due to power surges, we had to momentarily power off the radios, switch to the fresh battery and then power everything back on.

On the new unit there is a toggle switch on the front of the box that serves as the main power switch for the entire unit. On the top of the box are two toggles and a thermocouple. The center toggle is for switching from one battery to another, the toggle on the one end of the box serves as a 3-position charging selector. On one side, you are using one battery while charging the other, on the other side vice versa, and in the middle you are using one battery while charging it at the same time. This is only used for brief periods of time to get on the air quickly in case of low batteries.

The charger has an au-

tomatic shut off once the battery is fully charged. The thermocouple measures ambient air temperature as well as the temperature inside the power box and will cut off the charger if the power box gets too hot.

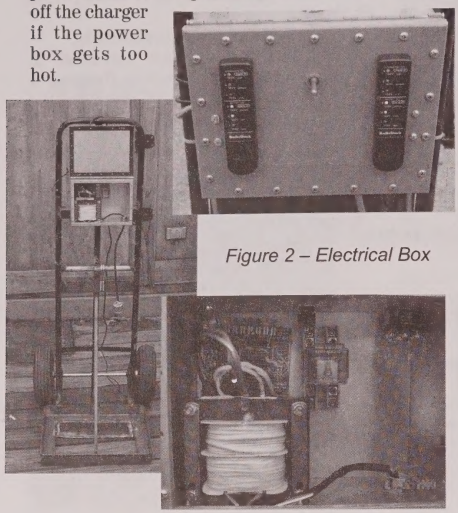


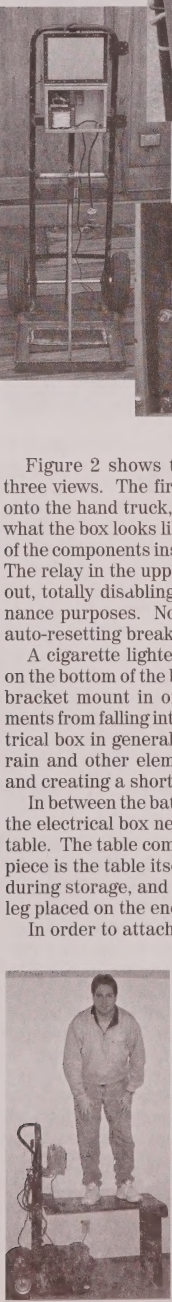
Figure 2 – Electrical Box

Figure 2 shows the electrical box in three views. The first as it was mounted onto the hand truck, then a closer view of what the box looks like, followed by a view of the components inside the electrical box. The relay in the upper right can be pulled out, totally disabling the unit, for maintenance purposes. Not shown is a 20-Amp auto-resetting breaker.

A cigarette lighter adapter is installed on the bottom of the box underneath the L-bracket mount in order to keep the elements from falling into the socket. The electrical box in general is sealed to keep the rain and other elements from seeping in and creating a short.

In between the batteries on the base and the electrical box near the top is a folding table. The table comes in two pieces. One piece is the table itself, which folds in half during storage, and the other is a support leg placed on the end of the table.

In order to attach the table to the hand truck, holes were cut in the center L-bracket Eddie, and two hooks placed at the one end of the table to slide through and latch onto the hand truck. The table is made from a 1x12x18 purchased at a local home improvement store. The wood was cut in half and a "piano hinge" was used to allow the table to be folded up and stored on the back of the hand truck during transit. It is very sturdy. I tested it by standing on the table myself. I won't give too much away as to my weight other than it withstood 230+ pounds.



For power connectors, we went with the Anderson power poles. We felt this was the easiest way to conform to what is rapidly becoming the new standard in amateur power connectors. I took a Molex T-style connector and made a jumper for connecting to Beauty's Anderson Power Pole connection. I also have jumpers for several other power connectors not using the Anderson Power Pole standard.

For portability, this runs circles around the "Beast". We can fold up the unit and put it in the back seat of a car (which is why sealed batteries are preferred) and can have it out of the vehicle, unfolded, and set up in less than 2 minutes.

Also, we set up two clips on the back of the hand truck above the power box that serve as quick mounts for antennas. A mast can be used to raise the antenna(s) higher depending on the situation.

Recently Moe took it out for a racing event. It provided him with a portable station for calling the net while at a rest stop. Thanks to the newer version, Moe was able to call the net from the rest stop without requiring AC power, which was not available at the location he was assigned. Thanks to the long-lasting batteries, Moe was able to keep the radio going for over 3 hours without missing a beat.

We plan to put it to the test this upcoming Field Day in June. When it is not in the field Moe keeps it operational at his house, where he uses it to run his Yaesu radios; an FT-817, FT-100, and FT-2200.

Overall, it is much better than the "Beast" unit was. It is much lighter, and much more portable. Whereas the "Beast" needed at least two people just to lift it into the back of a pickup truck, the hand truck can fit into a compact car with little effort. The seamless transition from one battery to the next and the attention to rugged construction are crucial to even the most extreme situations that can occur when an emergency arises. Had "Beauty" been around during the Mossy Grove tornado, it most certainly would have come in handy in a variety of ways.

With the new Generation 2's portability and simpler means of construction and operation, we know that if an emergency should occur, or if a special event comes along, it will be ready. But Moe and Eddie don't quite feel they they have the perfect portable unit. Already, talk is going on of a "Generation 3" PPU. But they aren't telling as to what they have in mind.

I guess I'll have to call that one "Mrs. Potts" until we start working on it. ■

"Beauty" on a roll, and being put to the test as Moe, KE4CQW (center) calls net control for a race.

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2004 Repeater Full Member Application

The SouthEastern Repeater Association, Inc.

Providing voluntary frequency coordination for Amateur Radio repeaters in Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia and West Virginia

Please fill out the this SERA Full Member Application completely. Be sure to list 2 persons as SERA representatives. **ONLY these two will have voting rights, and receive the *Repeater Journal.*** MAIL YOUR CHECK AND APPLICATION TO: SERA FULL MEMBERSHIP, P.O. BOX 215, TOBACCOVILLE, N.C. 27050. Deadline to be listed as member in May 2003 *Repeater Journal* is April 1, 2003.

	CITY/ MTN. ETC. (MAX 14 LETTERS)	RPTR CALLSIGN	INPUT FREQ	OUTPUT FREQ
RPTR #1				
RPTR #2				
RPTR #3				
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E-MAIL ADDRESS: _____
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■ **IMPORTANT NOTE: ONLY OFFICIALLY SERA COORDINATED ON-AIR, OPERABLE REPEATERS ARE ELIGIBLE FOR SERA FULL MEMBERSHIP.** An application for SERA Full Membership status, and the payment of the respective dues thereof, does *NOT* constitute coordinated status for the repeater(s) listed on this application or accompanying sheets. Contact your local coordinator to learn how to obtain coordinated status.

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THANKS FOR A GREAT 2003!

The SERA *Repeater Journal* Southeastern
HAMFEST/CONVENTION CALENDAR

Hamfest dates marked with an asterisk (*) are ***not*** confirmed and are estimated from the previous year's date.

We urge hamfest sponsors to send their correct dates to the *Repeater Journal* editor as soon as possible (**editor@sera.org**).

We acknowledge and appreciate assistance in confirming dates from SERA & ARRL Directors, the ARRL, commercial dealers, and many clubs and individuals.

Deadline for August Issue is July 1st, 2004

MAY, 2004

1 ..... Upstate SC Hamfest, SPARTANBURG, SC
1 ..... Big Sandy ARC Hamfest, LOUISA, KY
1-2 ..... Birminghamfest, BIRMINGHAM, AL
2 ..... Jackson County ARC Hamfest, RIPLEY, WV
8 ..... Johnson County ARC, MOUNTAIN CITY, TN
14-16 ..... Dayton Hamvention, DAYTON, OH
15 ..... Roanoke ARS Swap Fest, WILLIAMSTON, NC
21-22 (Fri-Sat) ..... Jackson Co ARA, PASCAGOULA, MS
29 ..... Hopkins Co. ARA, MADISONVILLE, KY
29 ..... DurHAMfest, NG Armory, DURHAM, NC
30 ..... MFMA Mem. Day Hfst, WEST FRIENDSHIP, MD

JUNE, 2004

5 ..... Atlanta RC Hamfest, ATLANTA, GA
5 ..... Northern KY ARC Hamfest, INDEPENDENCE, KY
5 ..... W-S Classic at Dixie FG, WINSTON-SALEM, NC
6 ..... Ole VA Hams, Hamfest at FG, MANASSAS, VA
11-12 (Fri-Sat)RACK Hamfest, TN ARRL, KNOXVILLE, TN
12* ..... Nashville ARC Hamfest, SMYRNA, TN
12 *(tent)*... Pig Pickin'/Tailgate (exams), FRANKLIN, VA
12 ..... Dekalb Co. ARC Tailgate Outing, FT. PAYNE, AL
19 ..... Tailgate Party, CHESTER, SC
19 ..... Hamfest (free), SILVER POINT, TN
20 .. Frederick ARC Father's Day Hmfst, FREDERICK, MD
26-27 ..... **ARRL FIELD DAY**

JULY, 2004

3 .... Firecracker Hamfest, Civic Center, SALISBURY, NC
9 ..... Tailgate Party, GAINESVILLE, GA
11 .... Valley Forge Hfst and Cmptr Fair, KIMBERTON, PA
16-17 (fri-sat) ..... Milton ARC Hamfest, MILTON, FL
17 ..... Midsummer Swapfest, CARY, NC
17 ..... RCARS Hamfest at Cdr Pt. Pk, DAYTON, TN
17 ..... NOARSFest, WELLINGTON, OH
24 ..... *date change* WCARS Hamfest, WAYNESVILLE, NC
24 ..... OH-KY-IN ARS Hamfest, CINCINNATI, OH
25 ..... BRATS HF and Computer Fest, TIMONIUM, MD
25 ..... Portage ARC Hamfair, RANDOLPH, OH
31 ..... Roanoke Valley Hamfest, (Vinton) ROANOKE, VA

AUGUST, 2004

1 ..... 54th Annual Winchester HF, BERRYVILLE, VA
1* ..... Land of Lakes Hamfest, ANGOLA, IN
7* .. Voice of Aladdin ARC HAM-OH-RAMA, COLUMBUS, OH
14 ..... 6th Annual CFARS Swapfest, FAYETTEVILLE, NC
14 ..... Ellijay ARS Hamfest, ELLIJAY, GA
14* ..... Valdosta ARC Super-Tailgate, VALDOSTA, GA
14* ..... TARA HF & Comp. Show, HUNTINGTON, WV
15 ..... Central Kentucky ARRL Hamfest, LEXINGTON, KY
15 ..... Carroll County ARC Hamfest, WESTMINSTER, MD
21 ..... Warren ARA Hamfest, WARREN, OH
21-22 ..... Hamfest, AL Sec. Conv., HUNTSVILLE, AL
28 ..... Short Mt. Repeater Club Hamfest, LEBANON, TN
28-29 .... WV State Conv/HF, (Jksons Mill) WESTON, WV

SEPTEMBER, 2004

4-5 ..... Shelby ARC Hamfest, SHELBY NC
4* ..... Owen County ARA Hamfest, SPENCER, IN
11 .. ***new location*** Louisville Hfst Assn., LOUISVILLE, KY
11 ..... Monroe ARS Swap Meet, MONROE CO., TN
11-12 ..... CARA/FAR Fall-Fest, WEST FRIENDSHIP, MD
12 ..... Findlay Radio Club Hamfest, FINDLAY, OH
18 ..... Paulding ARC Hamfest, DALLAS, GA
18* ..... CAREN/ARRL St. Conv., LITTLE ROCK, AR
18-19 ..... VA Wesleyan, VIRGINIA BEACH, VA
18-19 ..... Chicago FM Club Radio Expo, GRAYSLAKE, IL
19* ..... Greater Cinci ARA Hamfest, CINCINNATI, OH
24-25 ..... (Fri-Sat) TEN-TEC Hamfest, SEVIERVILLE, TN
26* ..... Hamfest Assn. of Clev. HF, CLEVELAND, OH

OCTOBER, 2004

2* ..... York Co. Tech College, ROCK HILL, SC

Is your hamfest listed correctly?

(does it still have a dreaded "*")

Have we missed one?

Please e-mail the editor at:

editor@sera.org

2 ..... Red Rose Rprt Assn Hamfest, BROWNSTOWN, PA
3* ..... Hoosier Hills Ham Club, BEDFORD, IN
9* ..... Hamfest, STARKE, FL
9* ..... ARC of Augusta, HF/Comp Show, EVANS, GA
10* ..... Hamfest, MAYSVILLE, NC
16 ..... NW GA ARC Hamfest, ROME, GA
16 ..... Greater Jacksonville Hamfest, JACKSONVILLE, FL
16 .. Oak Ridge ARC Hamfest, FOE Bldg, OAK RIDGE, TN
23 ..... *date change* – CATS Hamfest, CLARKSVILLE, TN
23* ..... HF at C.Jordan in E.Ridge, CHATTANOOGA, TN
23 ..... Sumter ARC Hamfest/Comp. Fair, SUMTER, SC
24 ..... BENTONVILLE, AR
30 ..... Beachfest, MYRTLE BEACH (CONWAY), SC
31 ..... Massillon ARC Hamfest, CANTON, OH
31 ..... Mason-Dixon Hamfest, WESTMINSTER, MD

NOVEMBER, 2004

6-7 ..... Stone Mt. Hamfest, LAWRENCEVILLE, GA
13 ..... Hamfest at St. Fairgrnds, MONTGOMERY, AL
13 ..... Ft. Wayne Hfst/ARRL St. Conv., FORT WAYNE, IN
13* ..... KY Mt. ARC Hazard Swapfest, HAZARD, KY
13* ..... ***new hamfest*** - GAARC Swapfest, GASTONIA, NC
21* ..... JARSFEST at American Legion, BENSON, NC
19-20 .. Jackson Co. ARA Hamfest, OCEAN SPRINGS, MS
21 ... Central IL/St. Louis ATV Banquet, LITCHFIELD, IL
27 ..... EARS Hamfest, EVANSVILLE, IN

DECEMBER, 2004

none

JANUARY, 2005

1* . Lakeway ARC 'fest, NG Armory, MORRISTOWN, TN
8* Southwest Ohio Digital Symposium, MIDDLETOWN, OH
8* ..... Hamfest, GREENWOOD, SC
15* .... SE LA ARC Hamfest at SLU Univ., HAMMOND, LA
15* ..... SCARA Hamfest at Civic Center, GALLATIN, TN

FEBRUARY, 2005

4-5 (Fri, Sat) ... Hamfest/St. ARRL Conv, JACKSON, MS
5* ..... Charleston ARS Hamfest, CHARLESTON, SC
6* ..... NOARS Winterfest, LORAIN/ELYRIA, OH
5-6 ..... Dade RC Tropical Hamboree, MIAMI, FL
11-13 ..... Orlando ARC HamCation, ORLANDO, FL
12-13* ..... DixieFest Hamfest, MEMPHIS, TN
13 ..... Mansfield Mid*Winter Hamfest, MANSFIELD, OH
19 ..... Hernando Co. ARA Hamfest, BROOKSVILLE, FL
TBA ..... FrostFest, RICHMOND, VA
TBA ..... ***New Management***, Hamfest, ELKIN, NC
26 ..... Dalton ARC Hamfest, DALTON, GA
27* ..... Vienna Wireless Winterfest, ANNANDALE, VA
27 ..... Plateau ARA Hamfest, FAYETTEVILLE, WV

MARCH, 2005

5 ..... AR River Val. Hamfest, RUSSELLVILLE, AR
5* ..... Kerbela Hamfest at Temple, KNOXVILLE, TN
5* ... Charlotte County Hamfest, PORT CHARLOTTE, FL
12 ..... Mammoth Cave ARC Hamfest, CAVE CITY, KY
--- ..... ***Cancelled*** - Harrison Hamfest, HARRISON, AR
11-12 ..... Acadiana ARA Hamfest, RAYNE, LA
12-13 ..... Hamfest/Computer Show, CHARLOTTE, NC
19* ..... Kennehoochee Hamfest, MARIETTA, GA
19 ..... Hamfest at Coonskin Armory, CHARLESTON, WV
19 ... Playground ARC Swapfest, FT. WALTON BEACH, FL
19-20* . MTARS Hmfst, TN ARES Conv., TULLAHOMA, TN
20 ... Toledo Mobile Radio Assn. Hamfest, MAUMEE, OH
20* . DownEast Hmfst - Lenior County FG, KINSTON, NC
26 ..... Gulfcoast ARC HF, NEW PORT RICHEY, FL
TBA ..... Lake County ARA Hamfest, MADISON, OH

APRIL, 2005

2* ..... Fort Smith ARC Hamfest, FT. SMITH, AR
2* ... Lincoln Trail ARC Hamfest, ELIZABETHTOWN, KY
2 ..... Union County ARC Hamfest, UNION, SC
TBA ..... Hamfest at Bradley HS, CLEVELAND, TN
2-3 ..... Baltimore ARC Hamboree, TIMONIUM, MD
3* ..... Tailgate Party, JACKSONVILLE, FL
9* ..... Eastern Shore Hamfest, EASTON, MD
10 ..... RARS*Fest*, ARRL State Convention, RALEIGH, NC
16* ..... Catawba Val. HF & Comp., MORGANTON, NC
17* ..... CUYAHOGA FALLS, OH
22-23* ..... Little Rock Hamfest, LITTLE ROCK, AR
23* ..... Chesapeake ARS Springfest, CHESAPEAKE, VA
23* ..... Cherokee Capital ARS Hamfest, CALHOUN, GA
23-24* ..... Gainesville ARS Hamfest, GAINESVILLE, FL
29-30 ..... SE VHF Society Conference, location TBA
29-30*(Fri-Sat) ... Baton Rouge ARC Hamfest, BAKER, LA
TBA (Fri-Sat) Midwest Div. ARRL Conv, LEBANON, MO
29-30 (Fri-Sat) ..... Joplin Hamfest, JOPLIN, MO
29-30 (Fri-Sat) OzarkCon QRP Conf., Ramada Inn, JOPLIN, MO
30* ..... BARC In-The-ShadeTailgate Party, MOULTON, AL

2005 CONFIRMED DATES

April 10 ..... RARSFest, RALEIGH, NC

2006 CONFIRMED DATES

April 9 ..... RARSFest, RALEIGH, NC

SQUELCHTALE

Gary Pearce
KN4AQ
Editor
kn4aq@sera.org

"You people all seem very polite."

The comment came from a newspaper reporter as I finished a conversation on 20 meter phone while we drove down to the BPL trial site. The reporter had been thinking about doing a piece on ham radio for some time when the *Wall Street Journal* story broke. The *WSJ* story mentioned our "North Carolina Encounter" with FCC Chairman Michael Powell (I got to talk to Powell for about 30 seconds), and the local angle prompted the reporter to do the story now. She said it should appear sometime in May (the same publication promise we make for this issue of the *Repeater Journal*), and it wouldn't be a "hatchet" job.

RPTR SUCKS

The reporter might have changed her mind about how polite we are if she had seen this subject line in a lively thread that appeared on the Raleigh ARS mailing list for a few days in April. It seems the phrase "This repeater sucks" was uttered by a club member in some mock frustration about the lack of response to the announcement of his call-sign. Or maybe is was the poor coverage we have in the area's highest employment zone (the Research Triangle Park, between Raleigh and Durham, in a null off the tower). Either way, the fateful phase went out for all to hear, including the children of another club member who I'll only identify as "Bob K4RLC." Bob took umbrage to the word "sucks" used in that context. Not the kind of thing he wanted his preteen kids to hear, much less use. He suggested I write about it and general "good operating practice."

Obscenity Indecency
Click Here for Information on FCC's Indecency Enforcement

Bob's a good ham. About my age (passed 50 a few years ago), took my ham class just a few years back, jumped into ARES, organized some basic Red Cross classes for hams. Let's see if we can pull him into the 21st century.

Dictionary.com has two definitions for "sucks" that are germane to the discussion. Both are listed as "vulgar." One is "to perform fellatio on." (Never thought I'd find a use for *that* word in the *Repeater Journal*, but here it is). The other is "to be disgustingly disagreeable or offensive," which might be your feeling about my using the first definition in the *Journal*.

I'm pretty sure that is was somewhere during the course of my life that the connotation of the phrase "that sucks" shifted from the first definition to the second. And as a younger ham pointed out on the mailing list (I'll identify him only as "John KG4SWI," another good ham who took my class and jumped into public service with both feet), for *his* generation the phrase has lost *all* offensive meaning. It's just a mild negative.

Bob, and to some extent I, are stuck back in history with the first definition. As far as language on the repeater goes, I'd prefer not to hear even "disgustingly disagreeable or offensive."

And for the most part, on most repeaters, I don't. Like the reporter said, we're pretty polite. There is that little California problem, and a few spots on 20 and 80 meters where a few hams got stuck at that age where it seems cool to shock your peers and anyone listening by being potty-mouth. Actually, the gamut of vague to pointed racial, ethnic and every other kind of slur and bigotry you hear from many in that same small crowd concern me more than the naughty words. Both give ham radio a black eye to the outside observer.

The "repeater s****" thread faded out (after morphing to use ***'s instead of the offending word itself). And it wouldn't be on this page if there weren't a larger issue swirling around. Thanks to Janet and Justin's one-second spectacular in the Superbowl halftime show, the fury over what we can and cannot be exposed to (I guess the pun is intended) in the media is at fever pitch.

Last October, the FCC Enforcement Bureau denied a complaint by some "watchdog groups" about Bono's use of the "f-word" (no, I won't be using the real word here, even though I could, because I think many of you don't want to read it here, and that is my whole point) in a Golden Globes award broadcast. The context: in his acceptance speech, the happy award winner said "this is f****** great!". The FCC said that in that context, the word was not indecent or obscene, explaining that "as a threshold matter, the material aired during the "Golden Globe Awards" program does not describe or depict sexual and excretory activities and organs."

I asked Riley Hollingsworth, who's been keeping an ear on that 80 meter crowd, how that ruling affected ham radio. He replied, "I don't think to will affect Amateur enforcement in any substantive way. The ruling was nothing new, it was just specific to that program and was widely misinterpreted on the Internet. The standard for obscenity and profanity is still the same."

FCC Chairman Michael Powell is getting a lot of pressure to crack down. Some radio chains have been fined big money, and Congress is working on upping the ante for a single violation to a half-mil (for broadcasters, not hams).

I've always been a big First Amendment champion myself, operating on the "sticks and stones" philosophy. The First was designed to protect speech we hate, not speech we love, and those pieces that get chipped away rarely get glued back on.

The gap between what goes on-air and what goes in the movies, on cable and in print is amusing. We're not back at Rob and Laura's twin beds any more, but broadcasters are still in a kind of wonderland, pushing the envelope as hard as they can to compete with media that has more freedom.

There's another age related difference in perception. Bob and I see a difference between broadcast and cable. John probably doesn't. The same kind of light shines out of the face of the same box. Why does how it got there make any difference?

Back to ham radio. Despite the cry that everything is always going to heck in a handbasket (I'm really getting sensitive now), the language problem with ham radio seems to be self-limiting. I think all the people who want to shock the rest of us and impress their friends are already doing it. The total: not very many. The rest of us? Well, we *are* polite. And a little dull. I'd like to see us open up a bit more.

The problem with that is that talk radio is teaching us that we don't have conversations any more. We have diatribes, driven only by the extremes. I'd love to tune into a really good discussion one day about something besides radio. A polite one. ■

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Powerful output and superior receive audio

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- CTCSS Encode/Decode w/Tone Scan
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*Except 60M band. **Cellular frequencies blocked on USA versions. †Optional software and cable required

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